

+

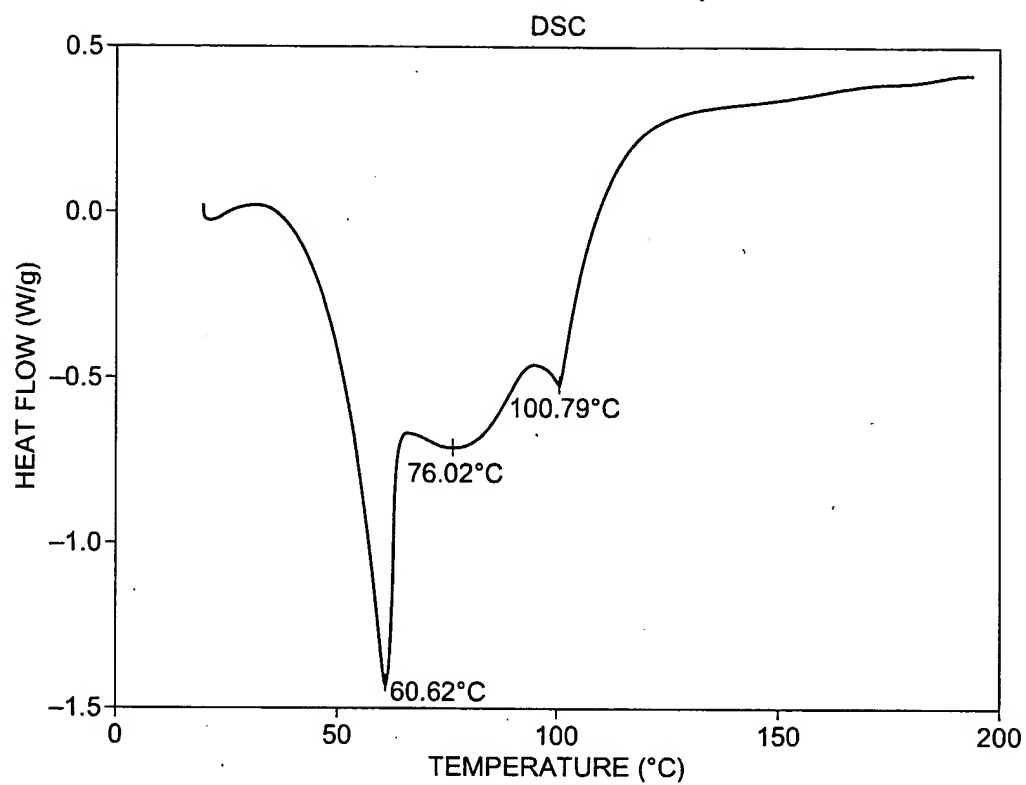


FIG. 1

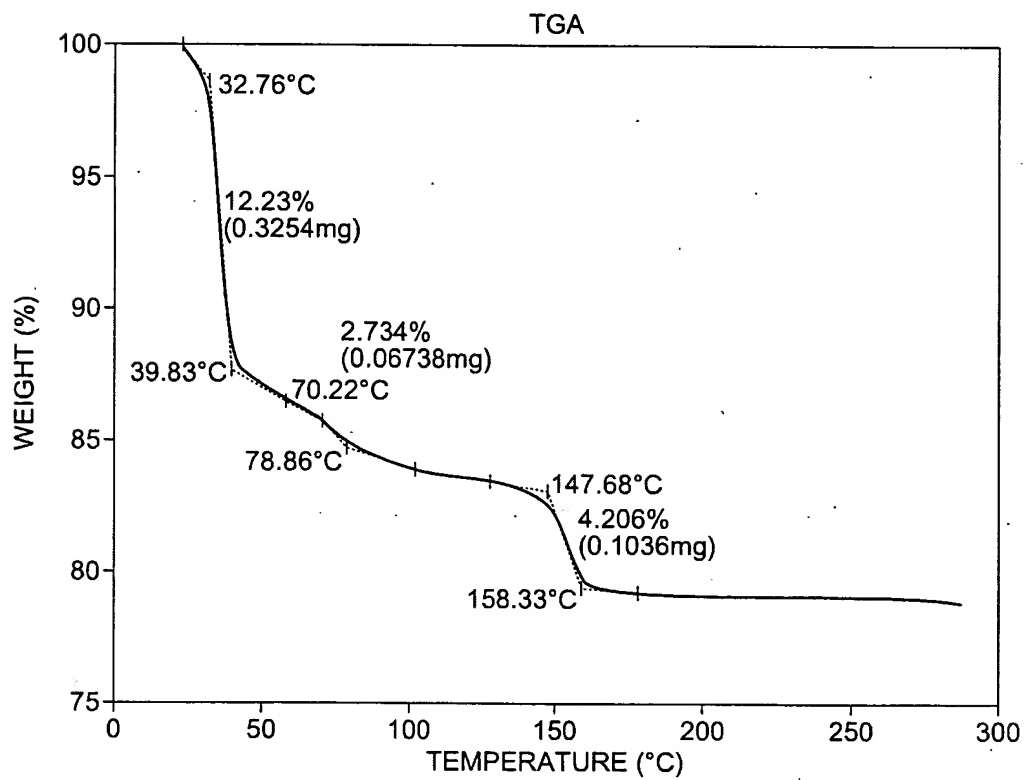


FIG. 2

+

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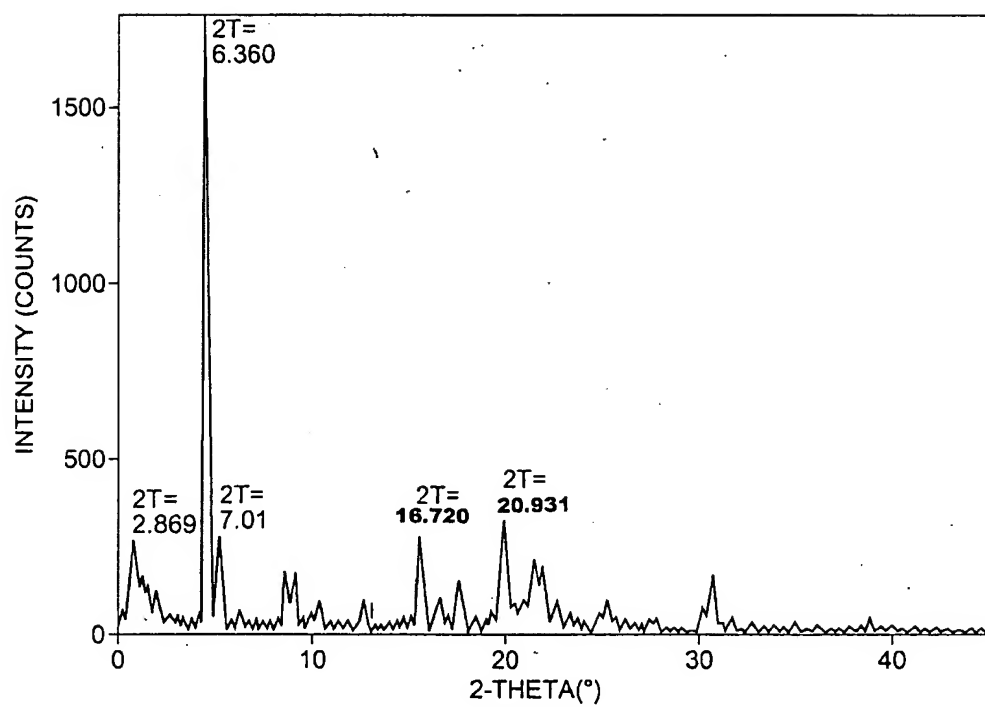


FIG. 3

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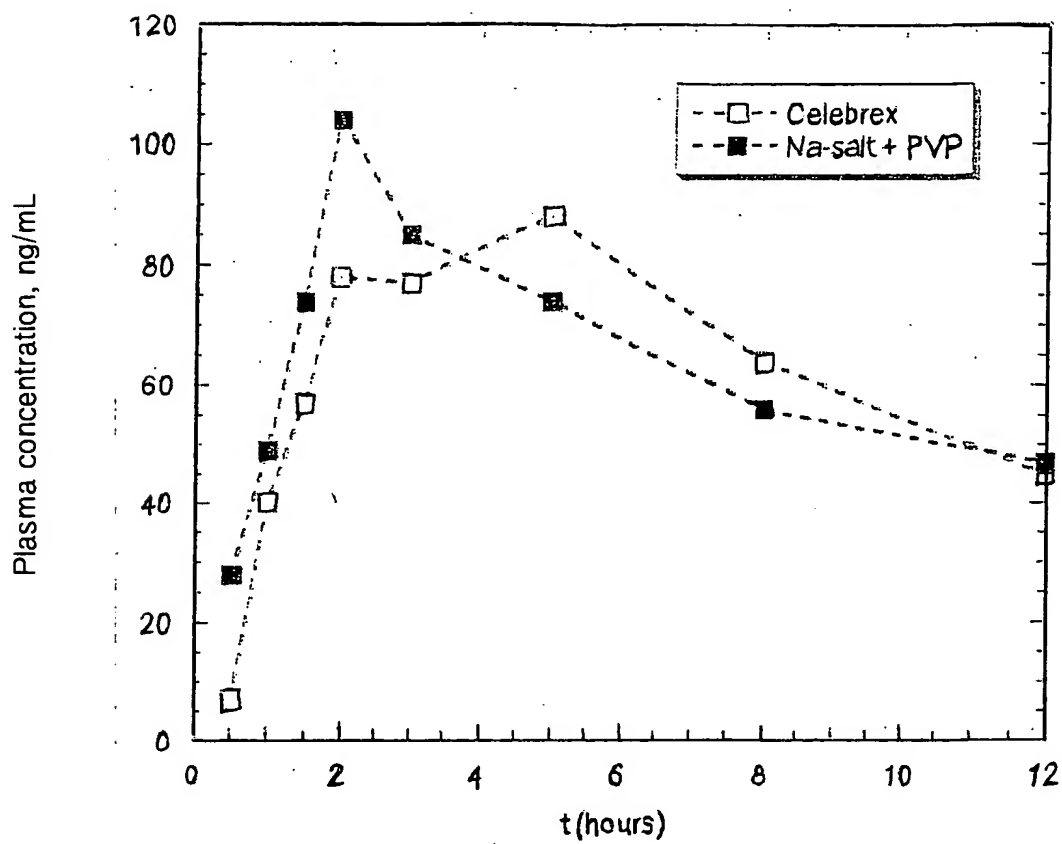


FIG. 4A

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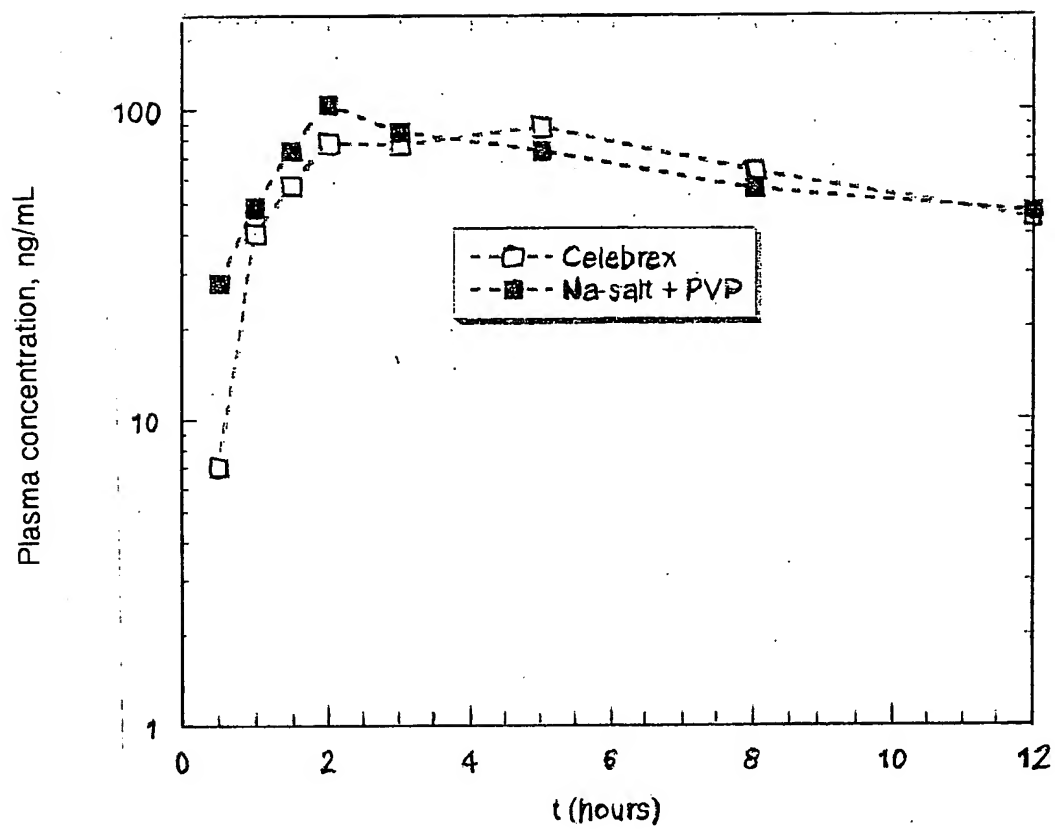


FIG. 4B

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	Formulation	Dose Level (mg/kg)	C _{max} (ng/mL)	T _{max} (min)	AUC _(0-∞) (ng·hr/mL)	T _{1/2} (hr)	Volume of Distribution at Steady State (mL/kg)	Clearance Rate (mL/hr·kg)	Bioavailability (%)
Mean	Celecoxib IV	1	718	NA	3808	8.21	2498	278	NA
SD		NA	91	NA	933	2.85	590	77	NA
Mean	Celecoxib PO	5.09	654	1.25	7663	9.3	NA	798	40.05
SD		0.050	199	0.88	3119	3.48	NA	317	15.45
Mean	Celecoxib Sodium PO	5.05	2142	0.75	16426	9.0	NA	323	85.80
SD		0.121	569	0.27	4150	2.71	NA	77	7.82

FIG. 5

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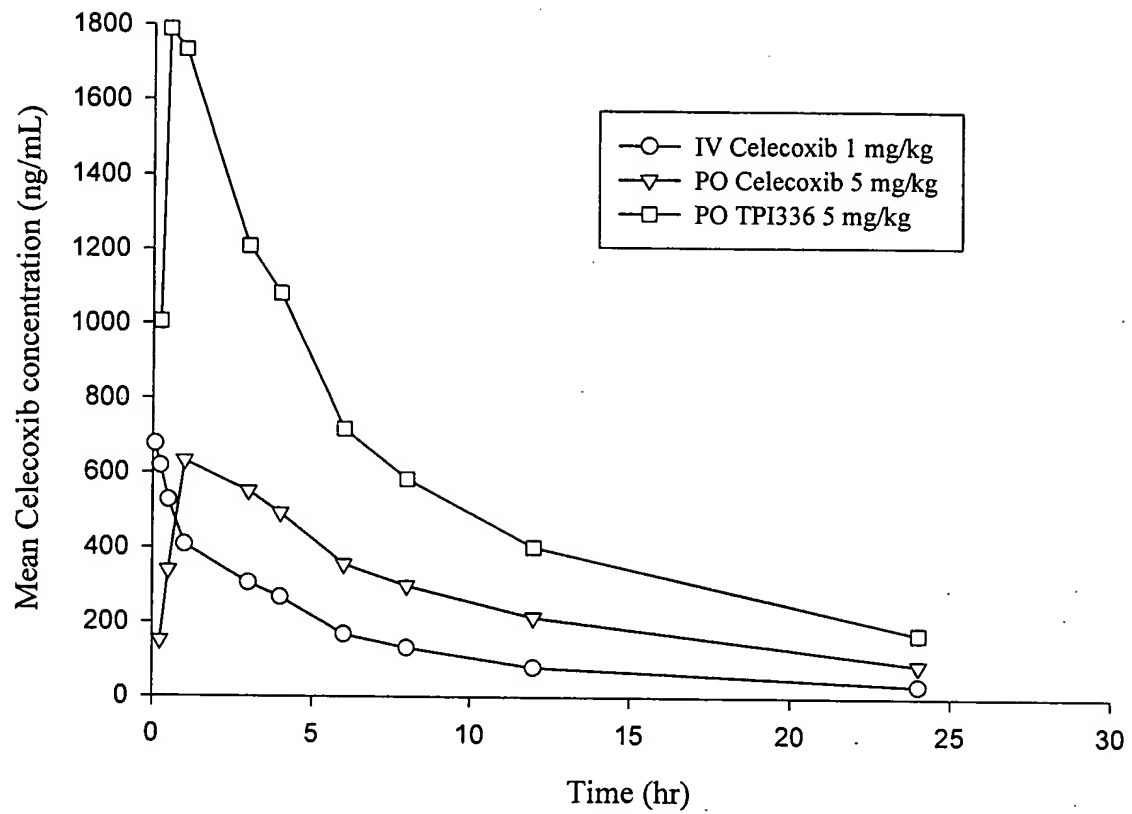
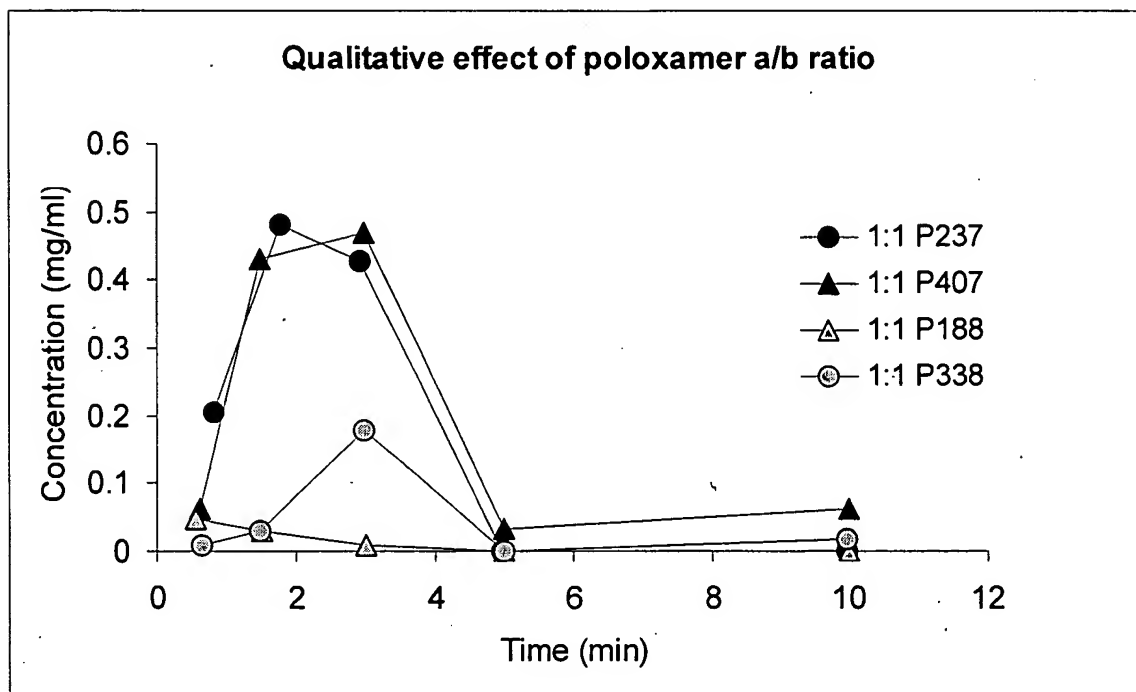


FIG. 6

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Poloxamer	Physical form	a	b	Average molecular weight	Percent a	Percent b	Ratio a/b
124	Liquid	12	20	2090-2360	0.38	0.63	0.60
188	Solid	80	27	7680-9510	0.75	0.25	2.96
		64	37	6840-8830			1.73
338	Solid	141	44	12 700-17 400	0.76	0.24	3.20
		101	56	9840-14 600			1.80

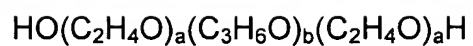


FIG. 7

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Effects of Celluloses on Dissolution of 1/1 Vitamin E TP GS/TPI-336-Na at Room Temperature

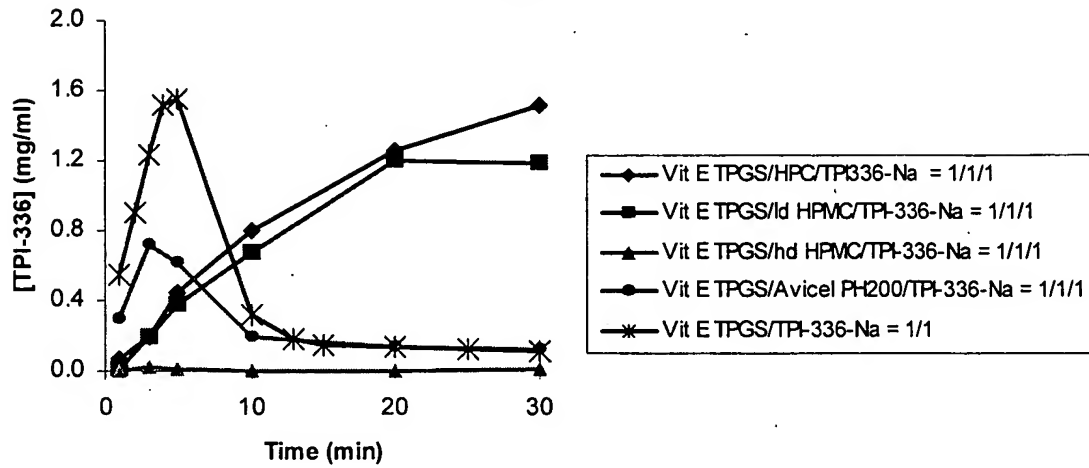


FIG. 8

Dissolution Test at 37C for Various Ratio of Vitamin E TP GS : HP-Cellulose : TPI336 Na

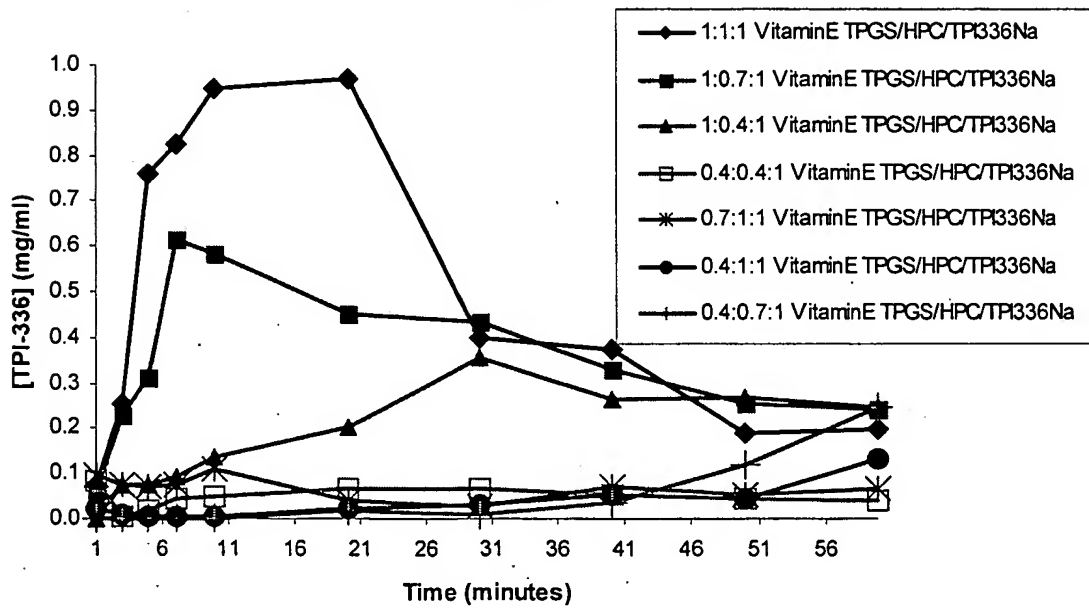


FIG. 9

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Dissolution profile of TPI-336-Na in SGF from solid mixtures with excipients at room temperature

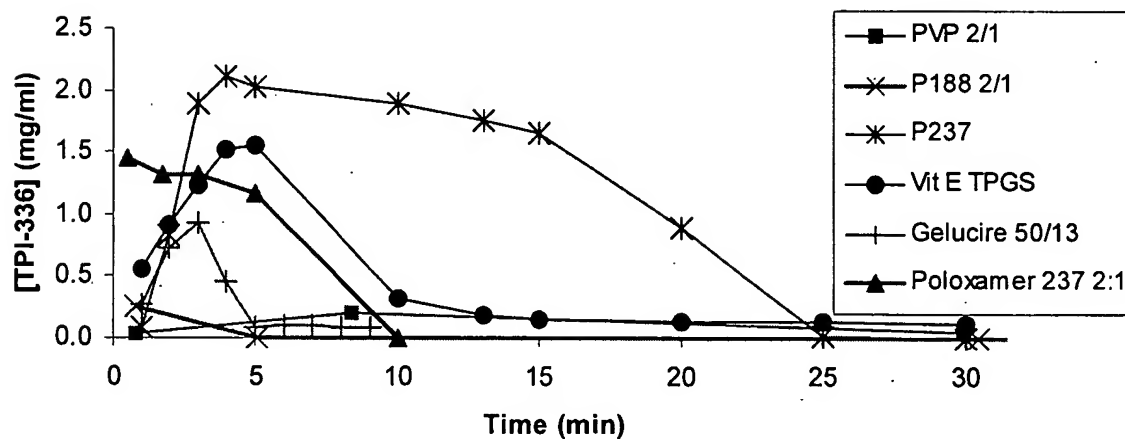


FIG. 10

Effect of Avicel and Silica Gel on the dissolution of TPI336Na/Vit E TPGS/HPC mixtures in SGF at 37C

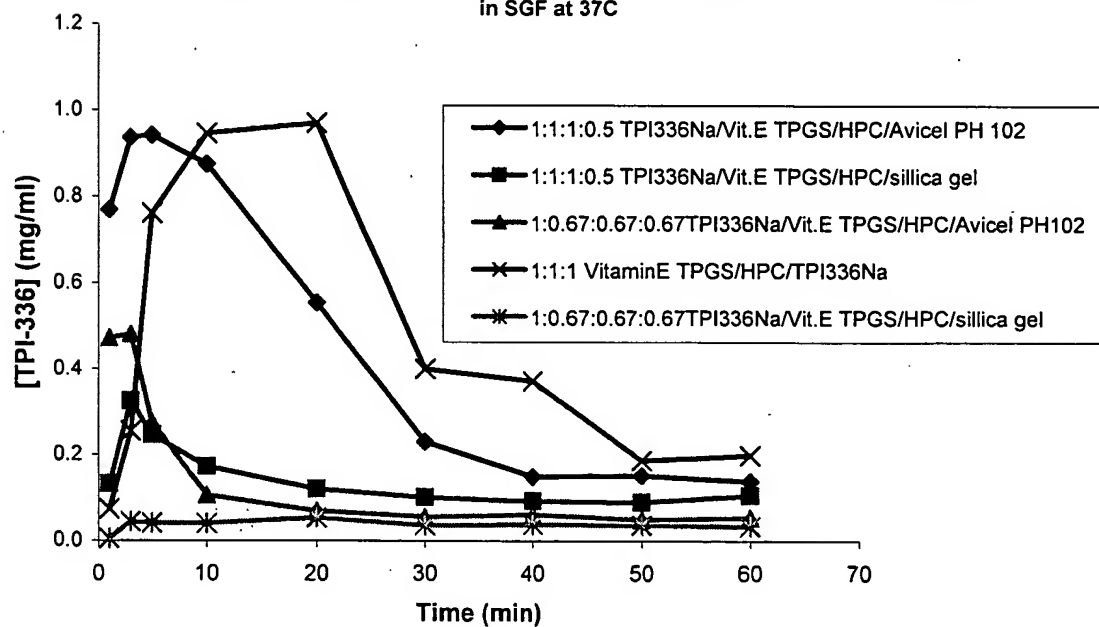


FIG. 11

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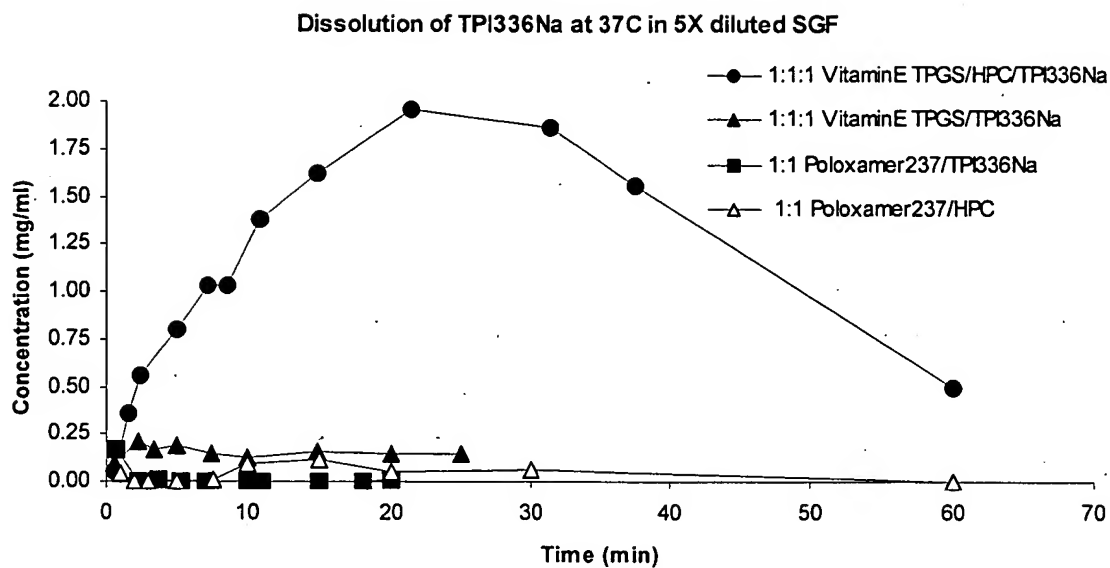


FIG. 12

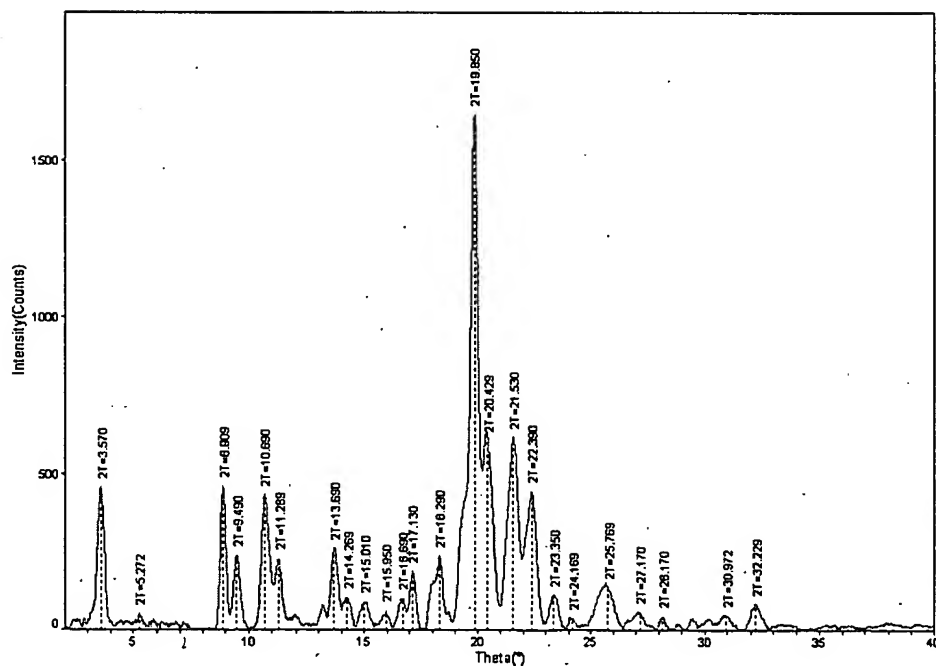


FIG. 13

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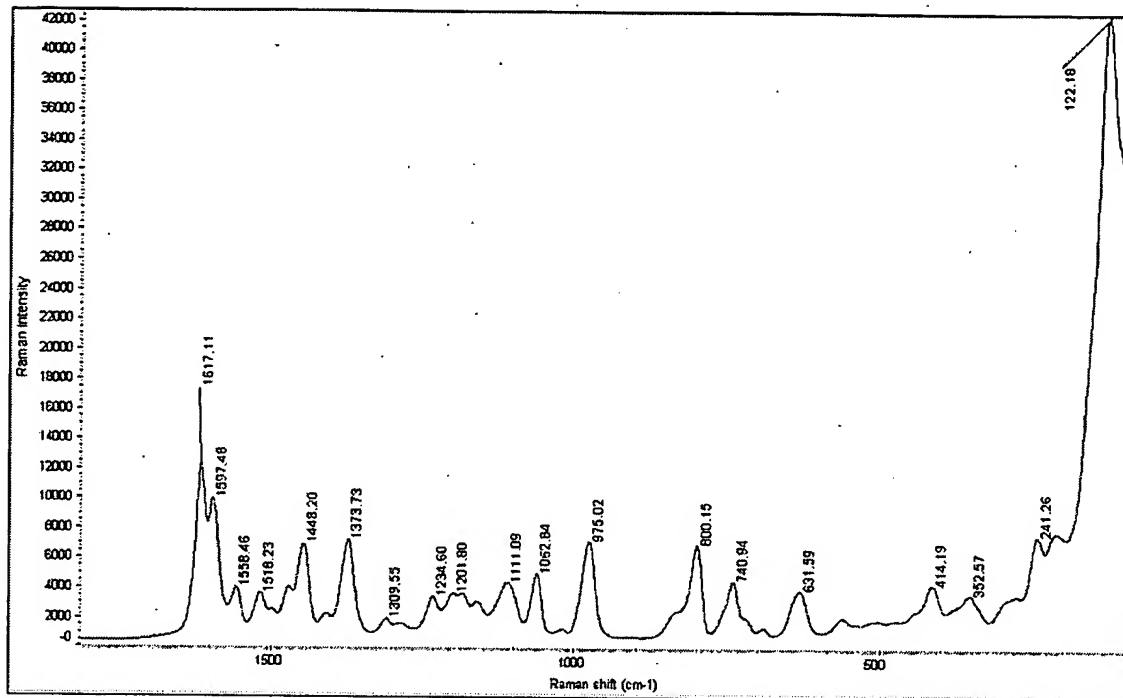


FIG. 13B

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DSC

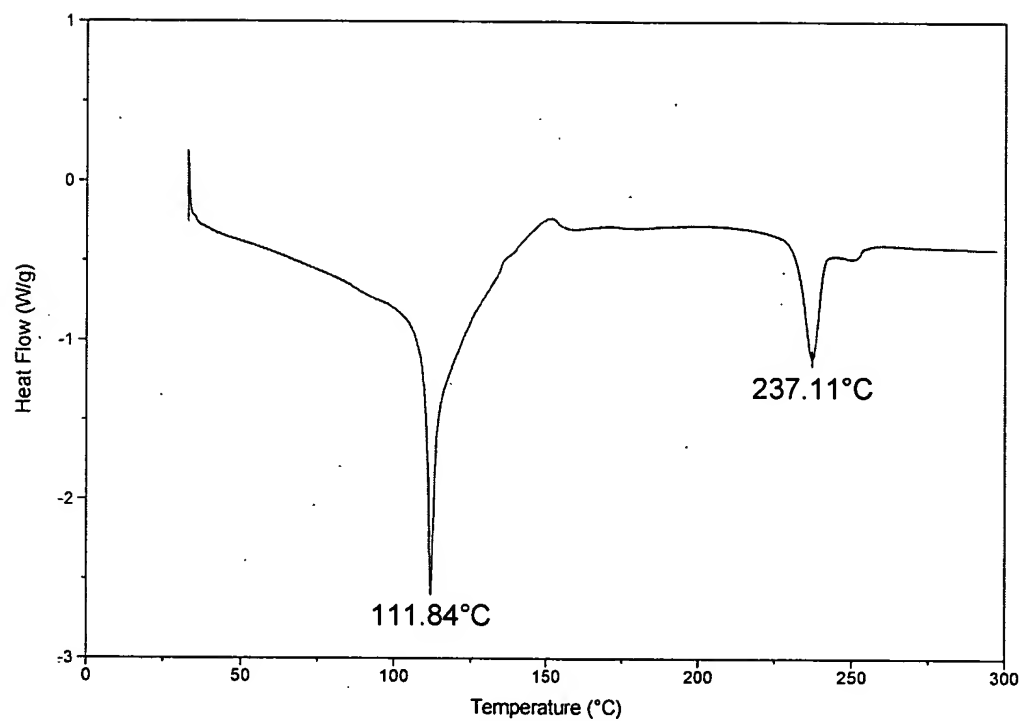


FIG. 14

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TGA

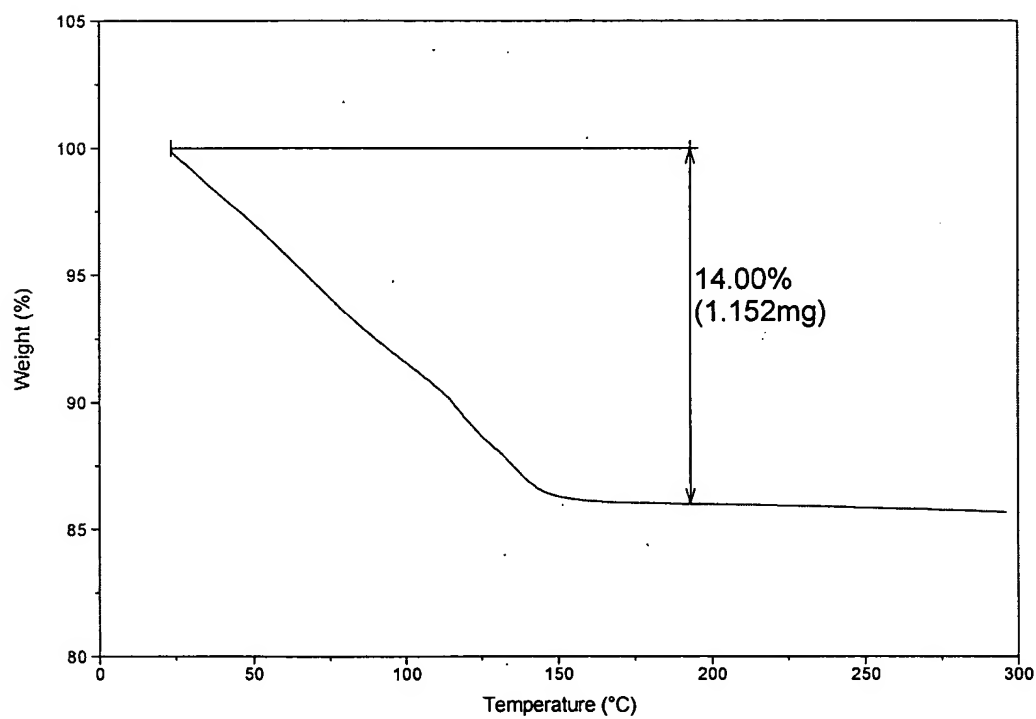


FIG. 15

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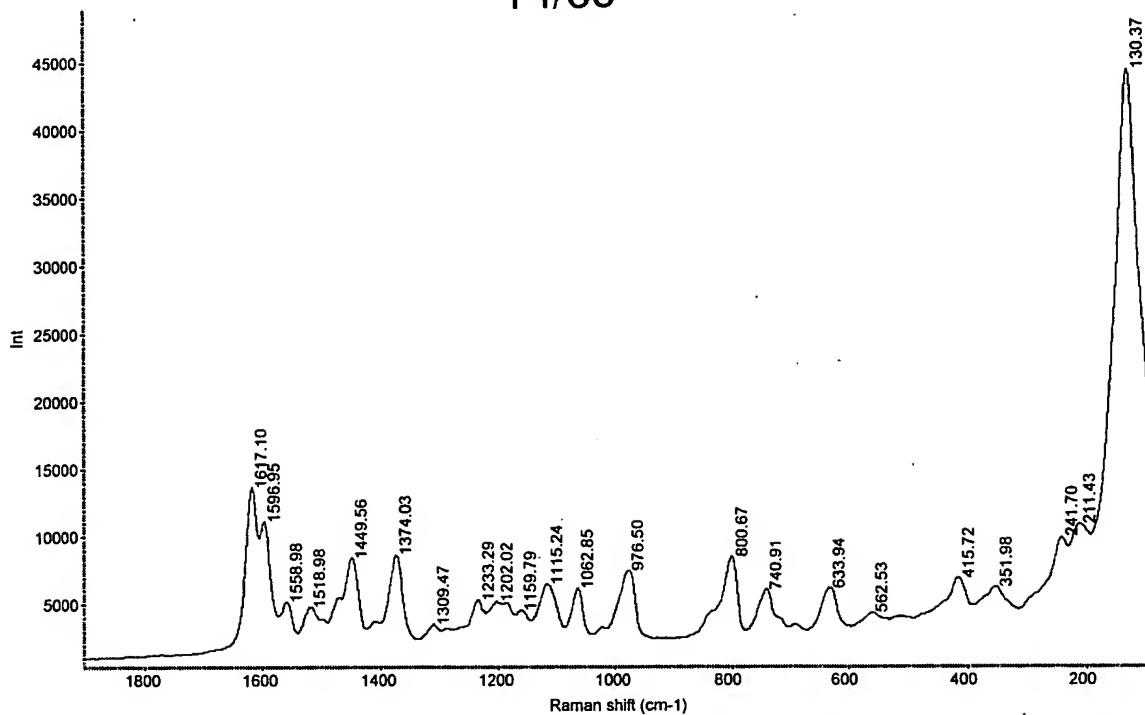


FIG. 16

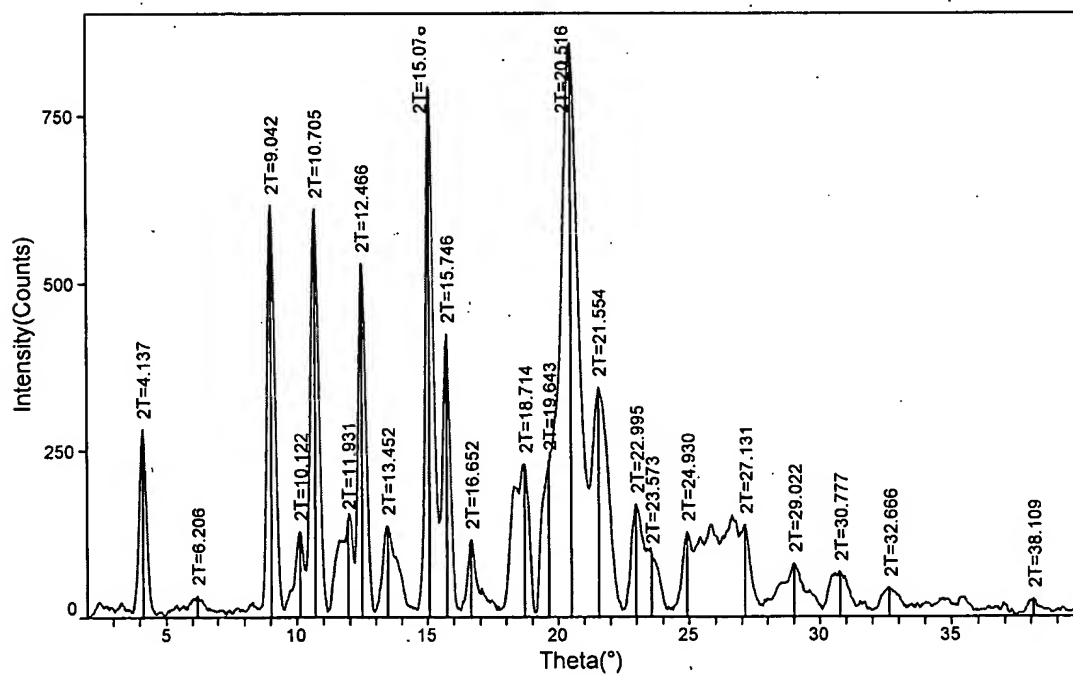


FIG. 17

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DSC

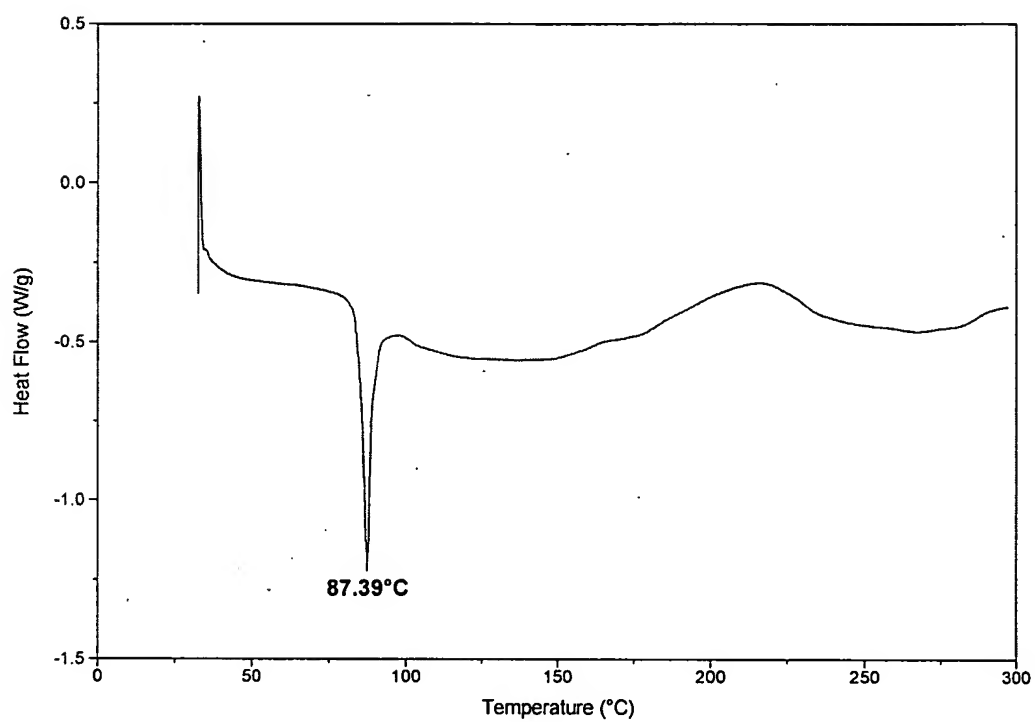


FIG. 18

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TGA

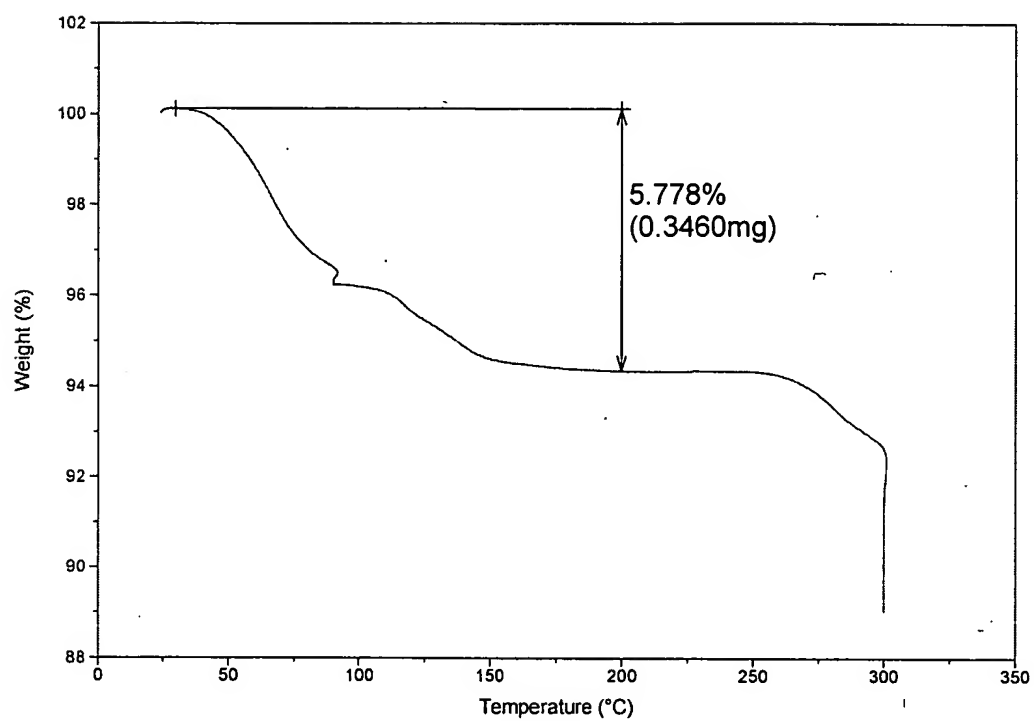


FIG. 19

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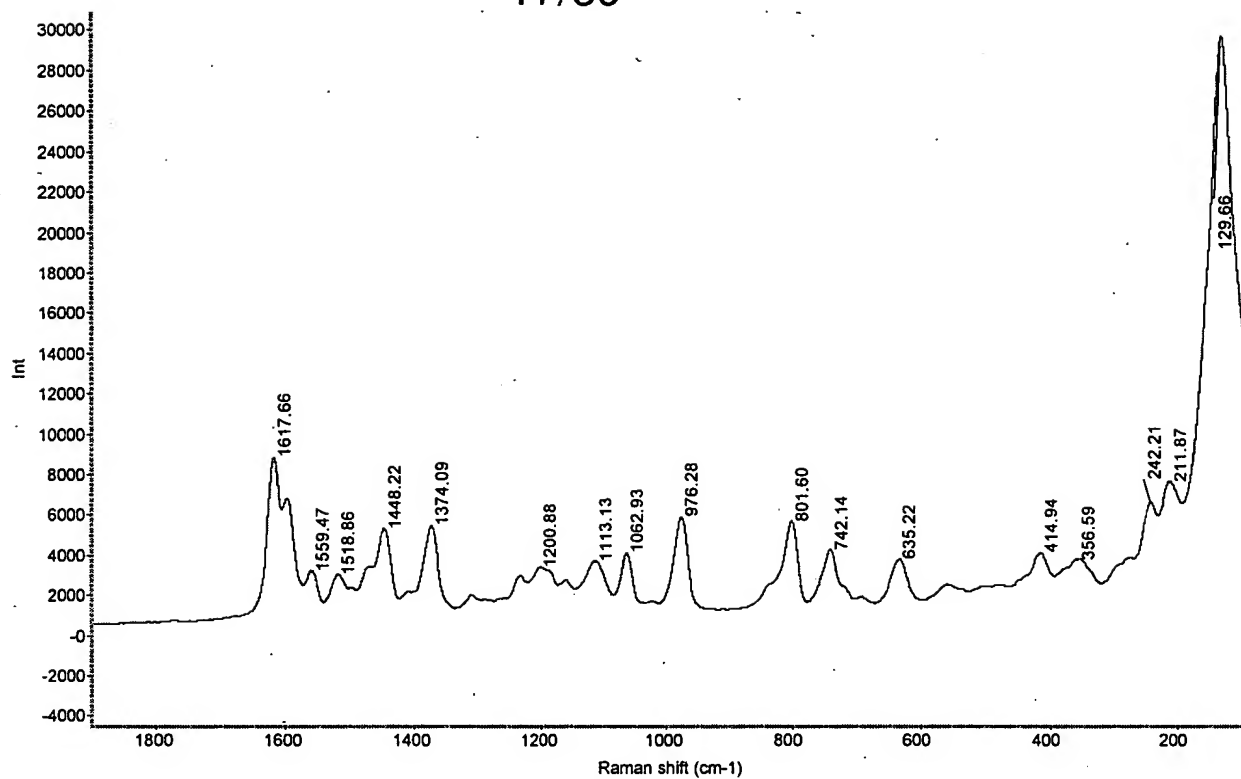


FIG. 20

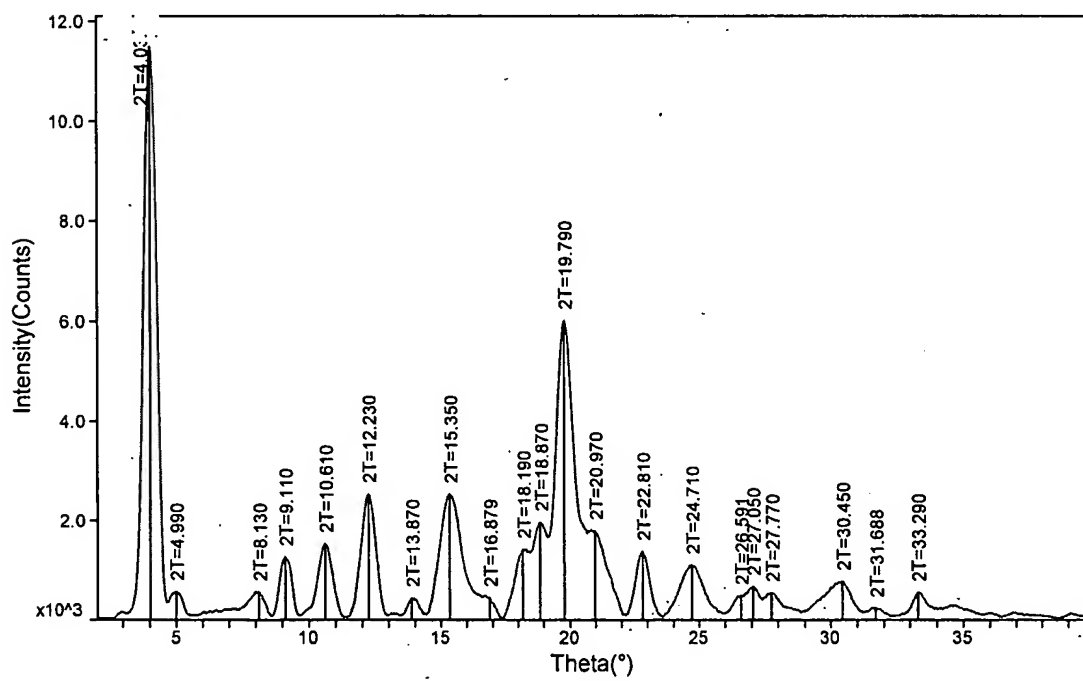


FIG. 21

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TGA

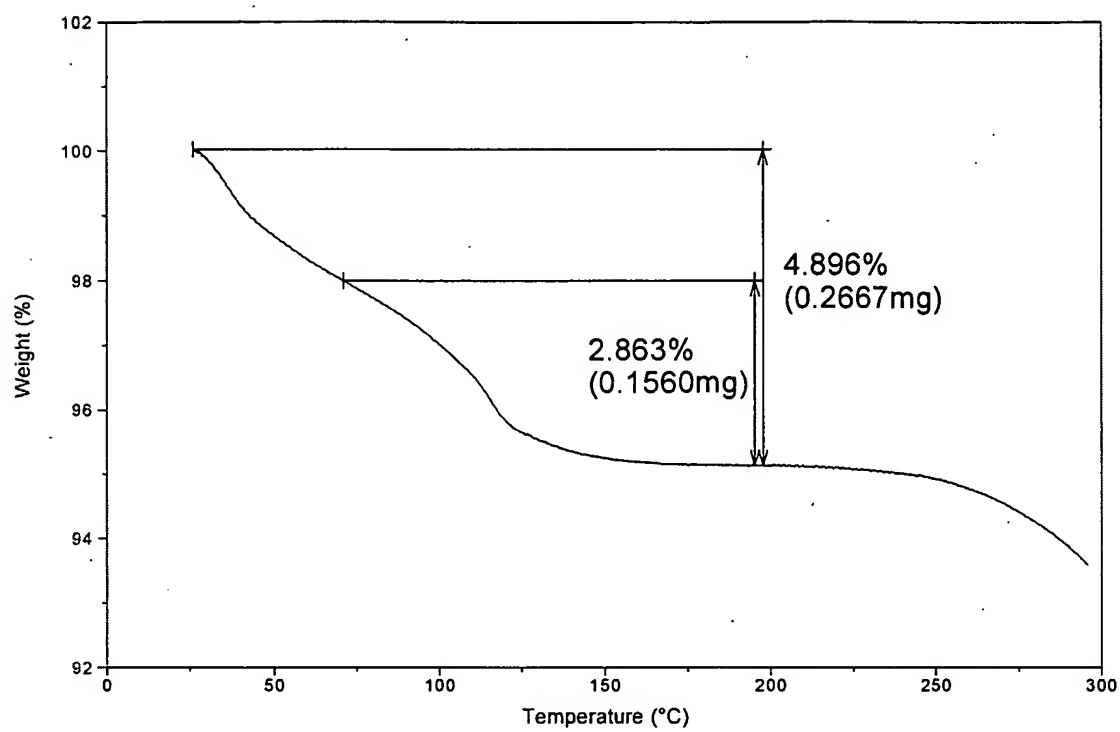


FIG. 22

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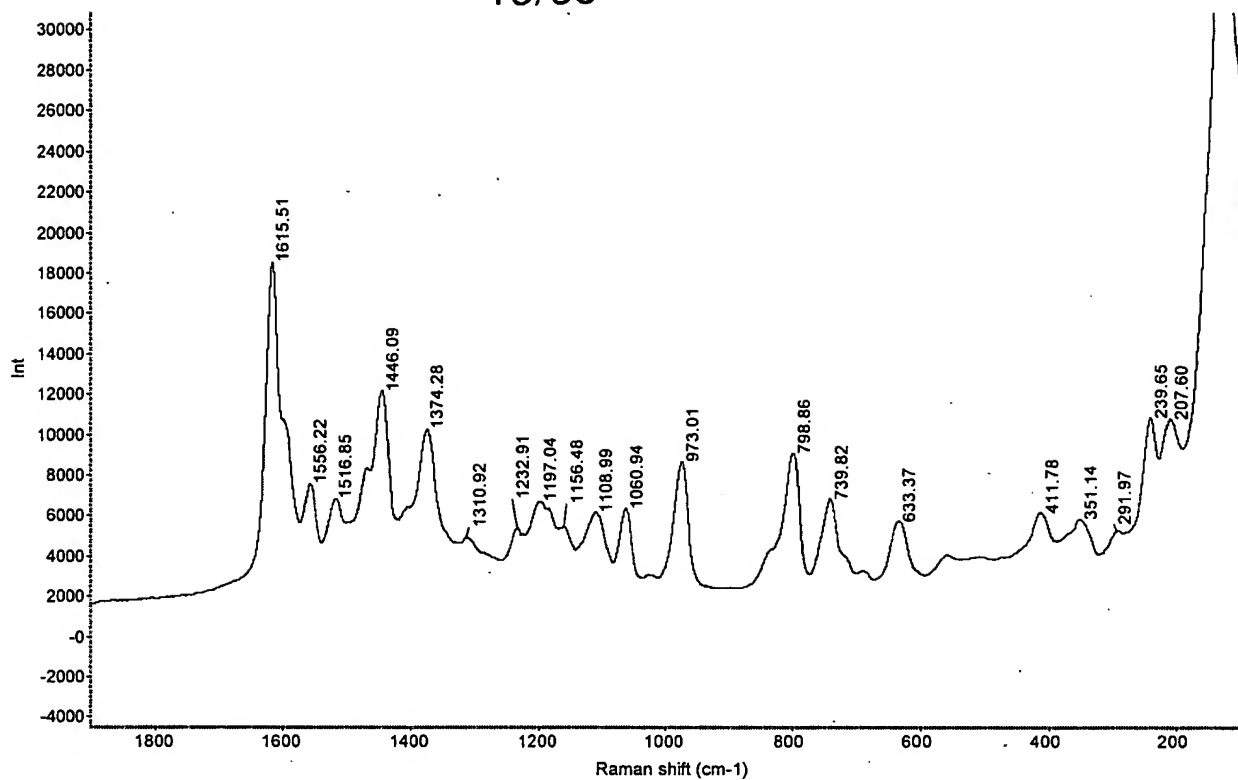


FIG. 23

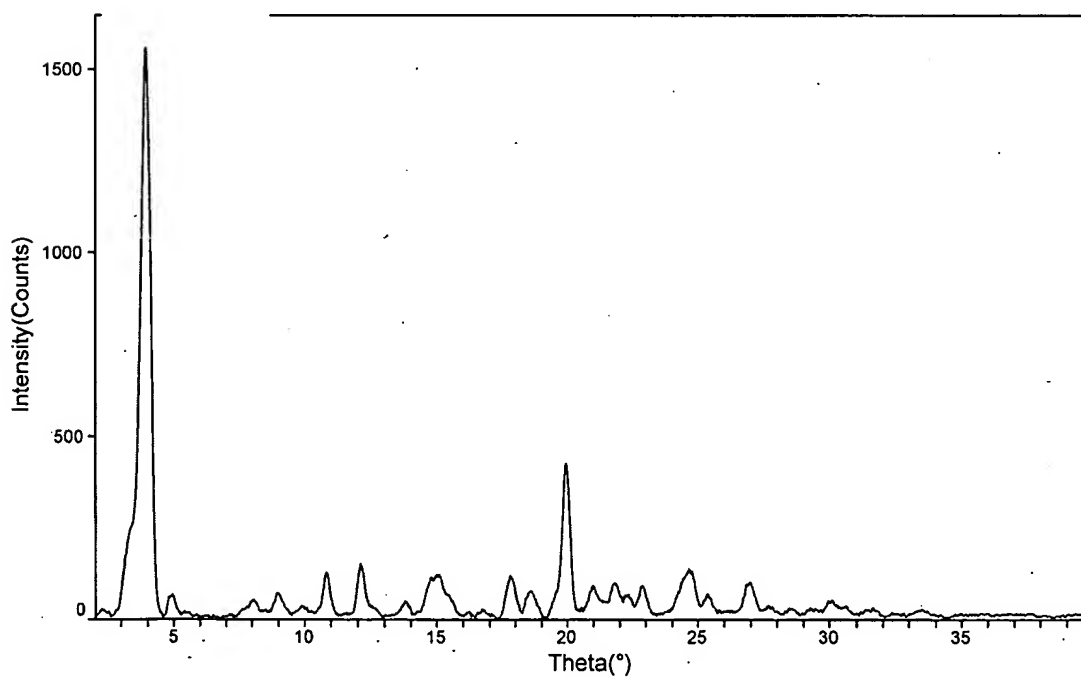


FIG. 24

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TGA

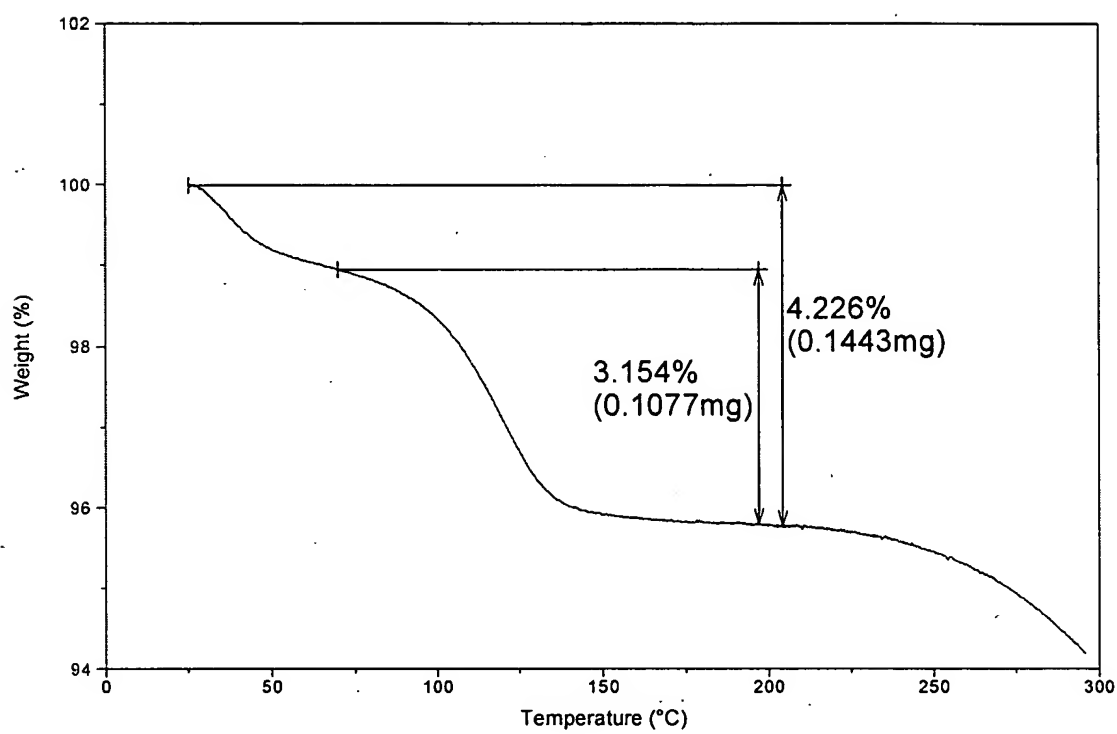


FIG. 25

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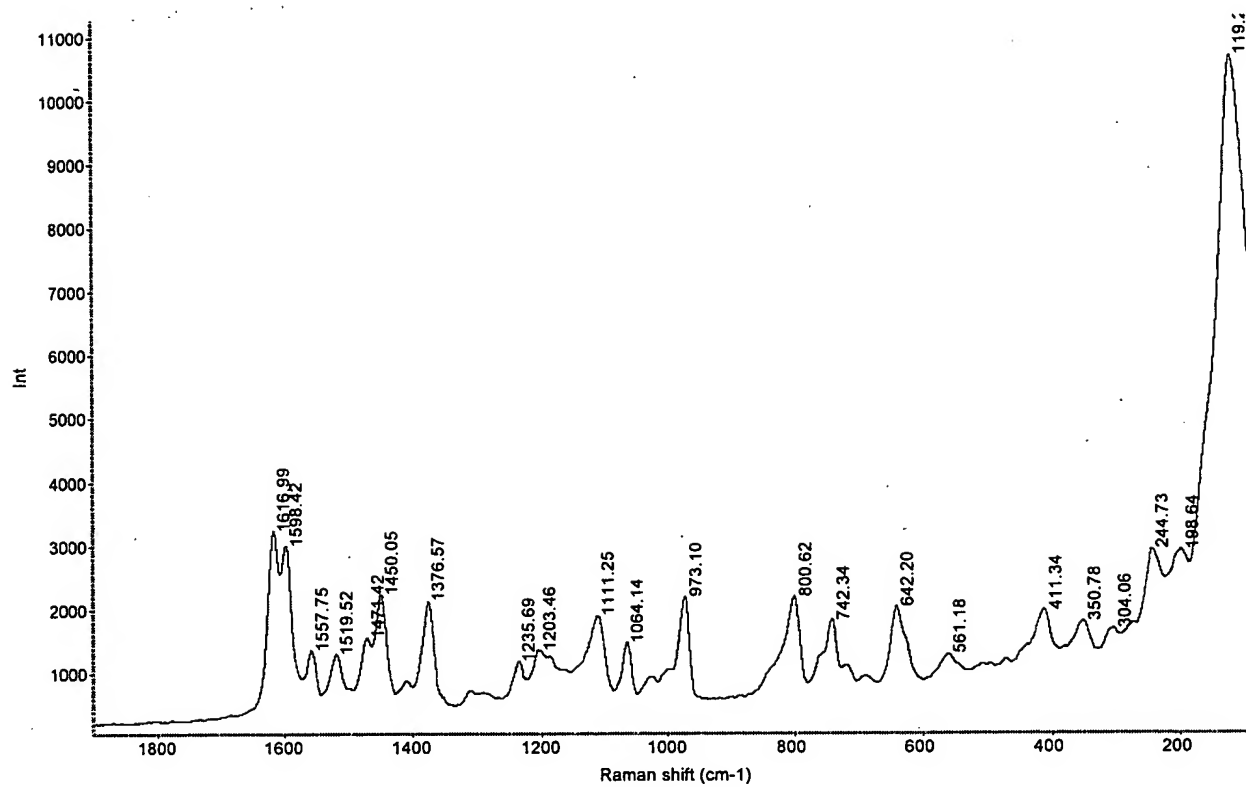


FIG. 26

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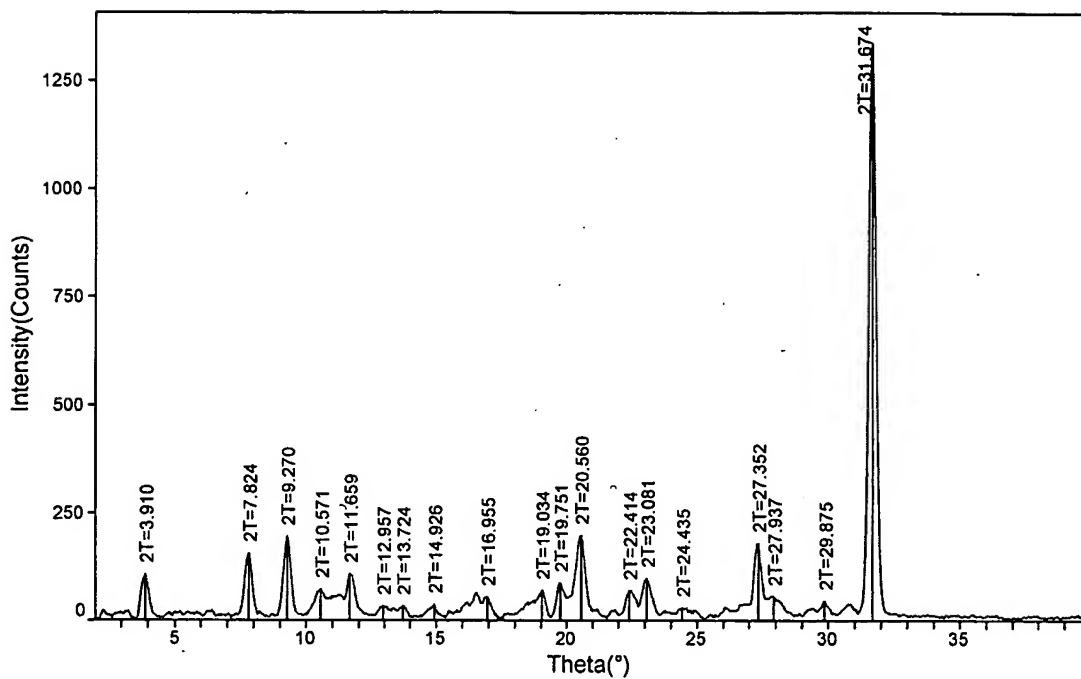


FIG. 27

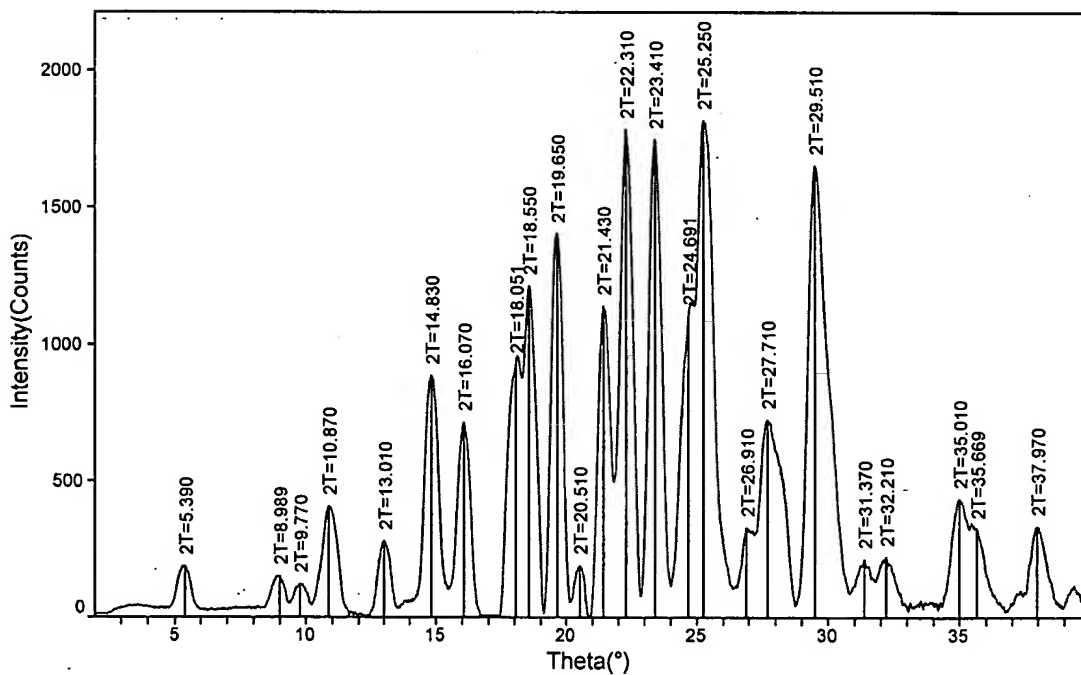


FIG. 28

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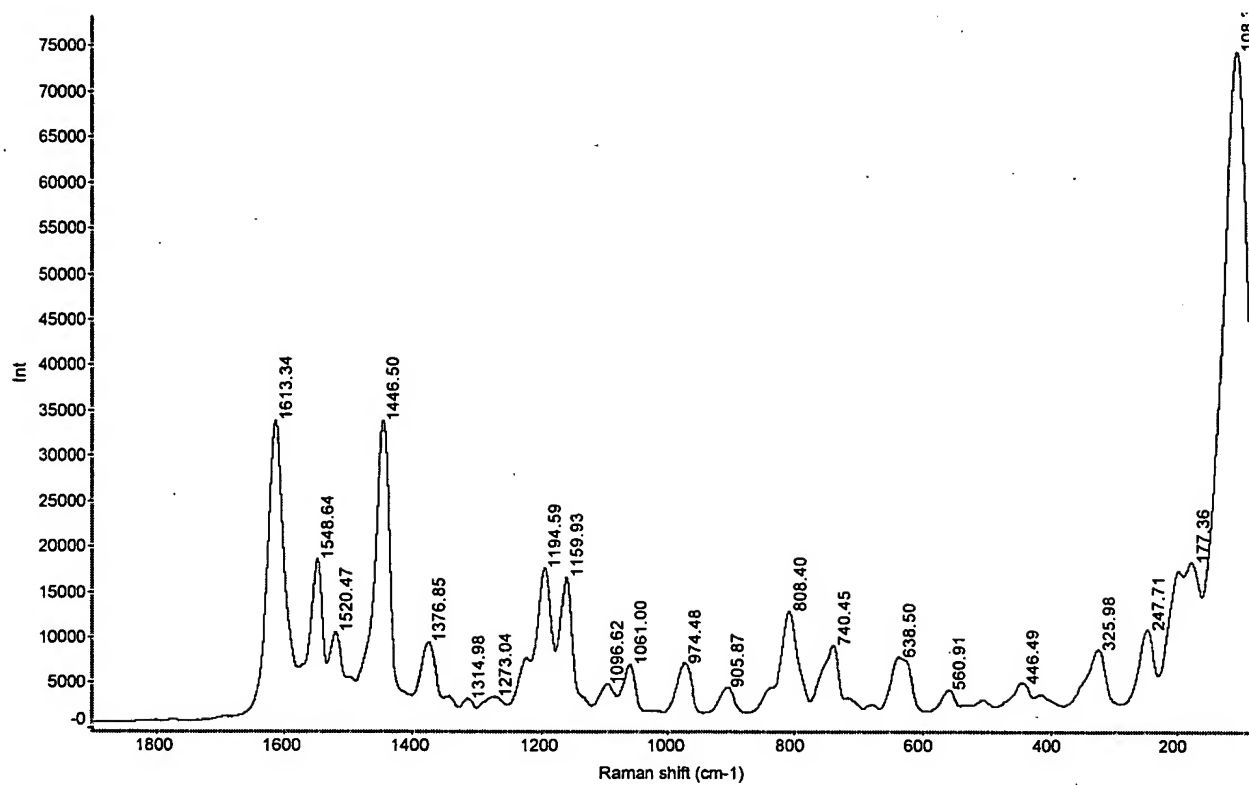


FIG. 29

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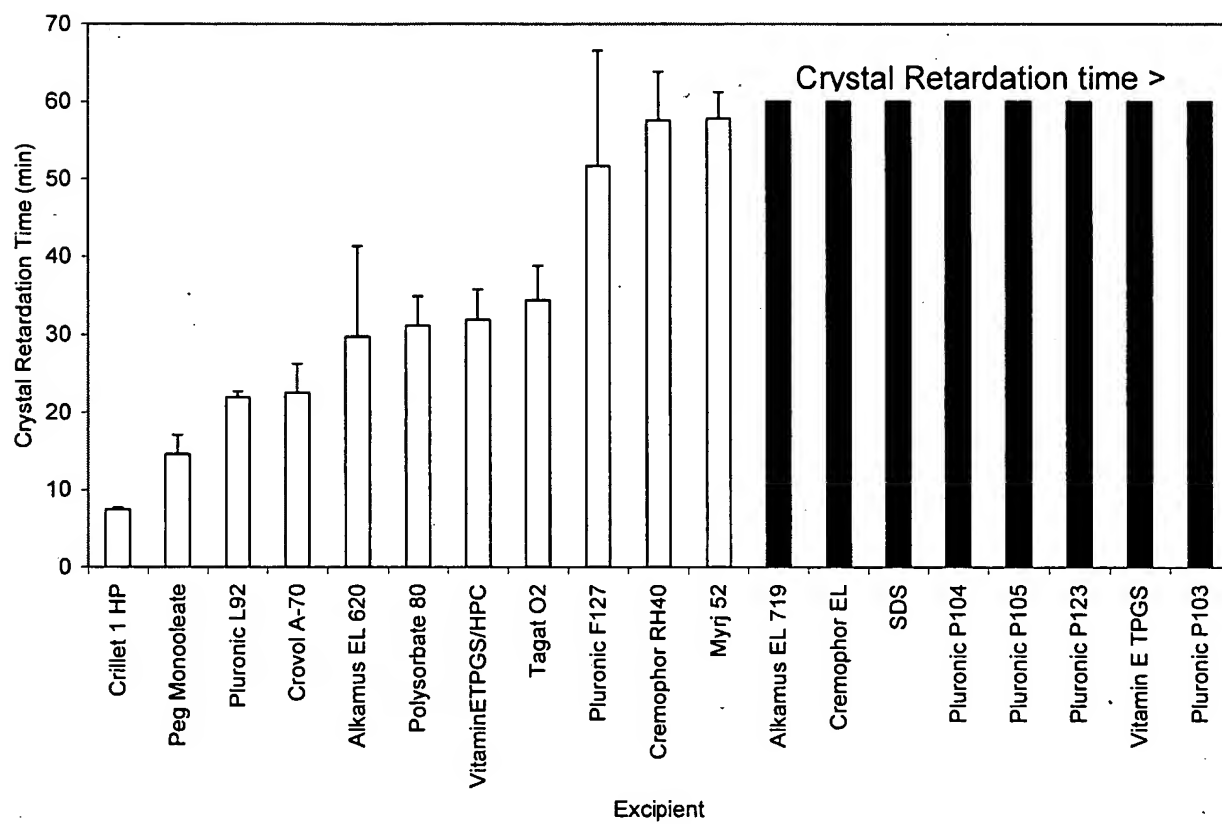


FIG. 30

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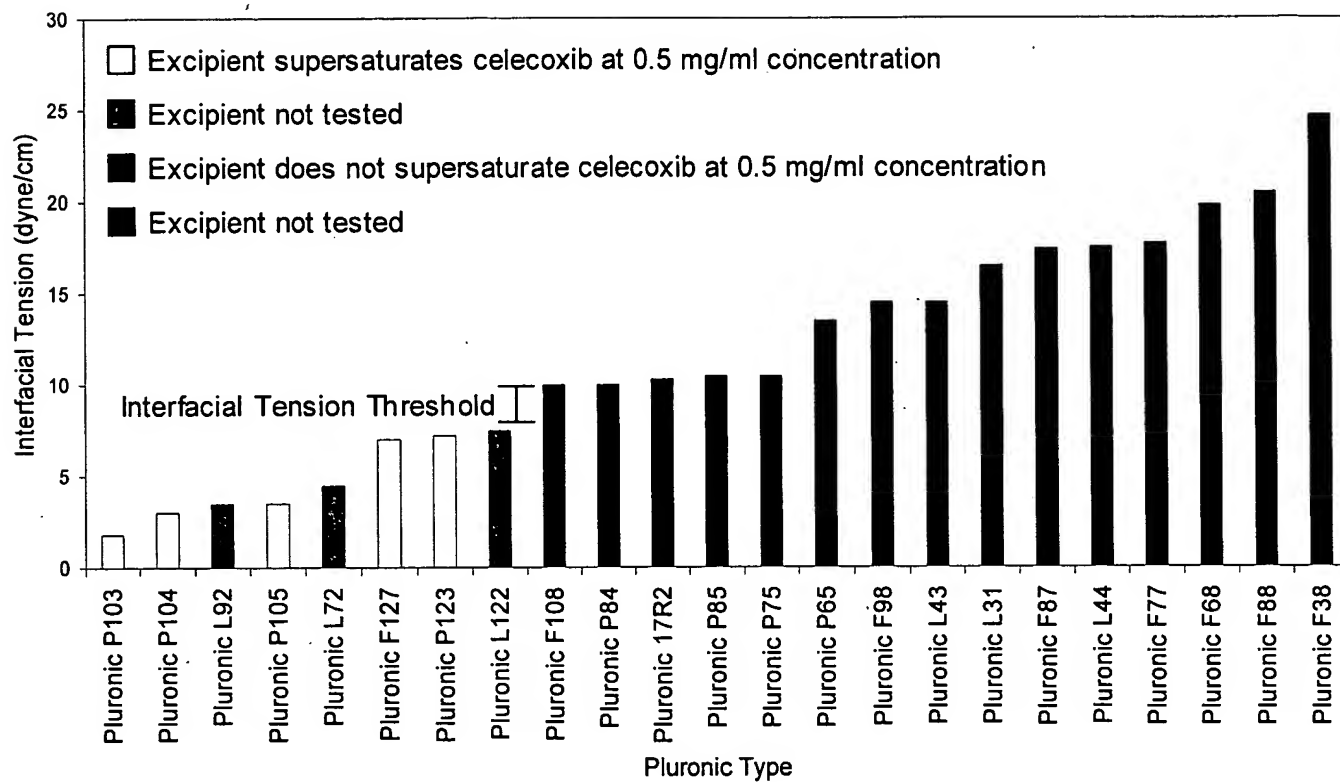


FIG. 31

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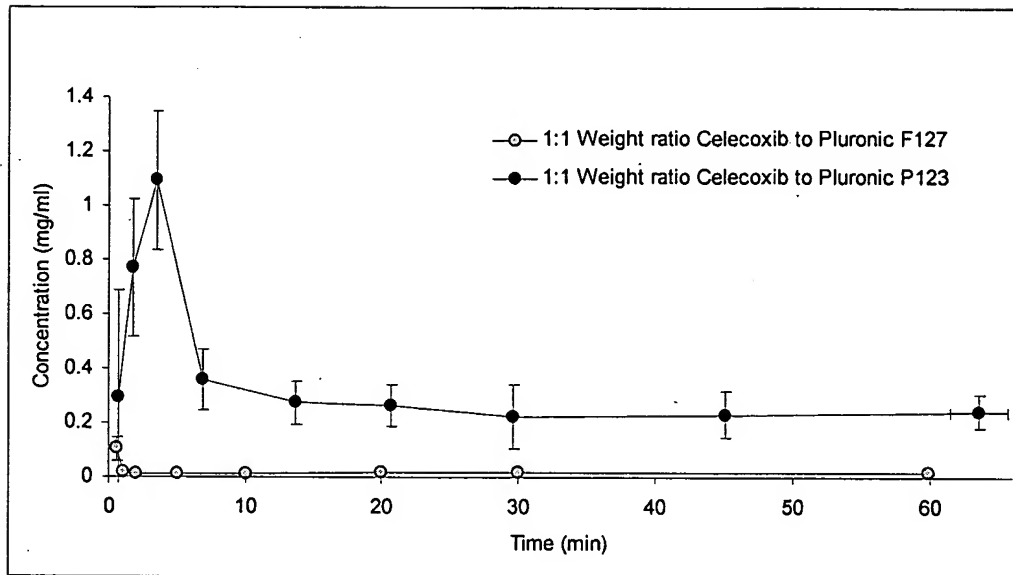


FIG. 32

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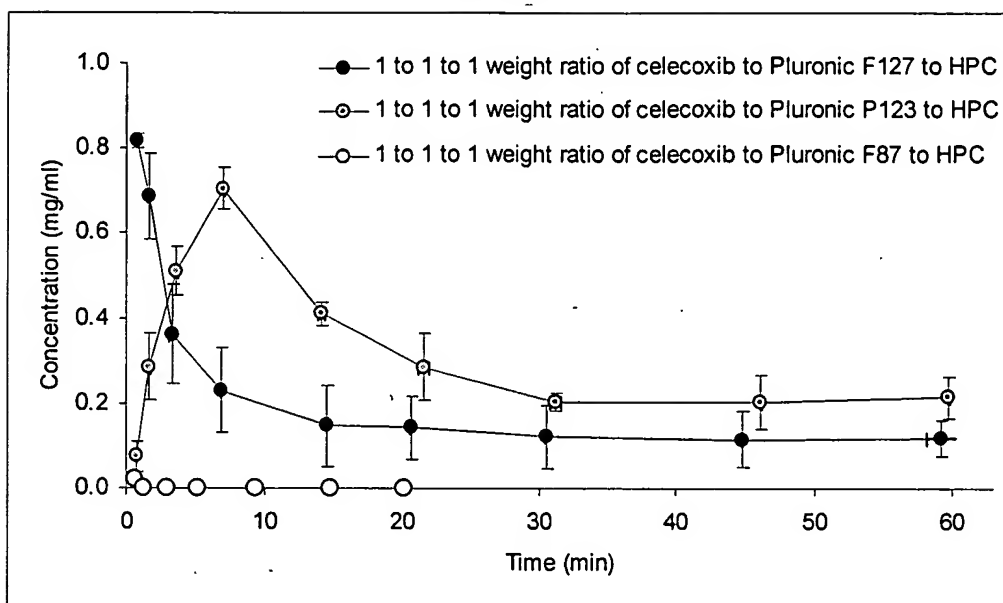


FIG. 33

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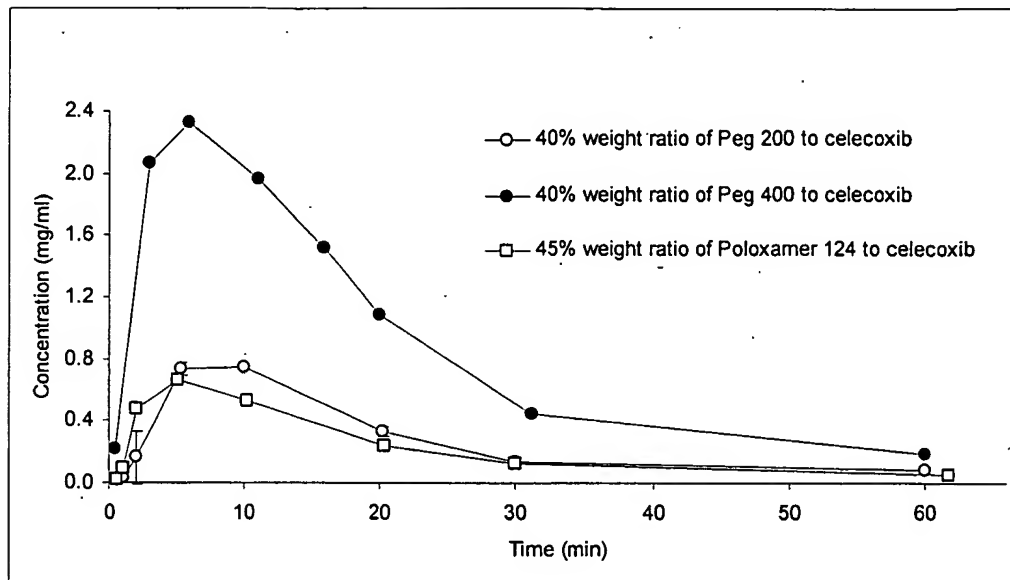


FIG. 34

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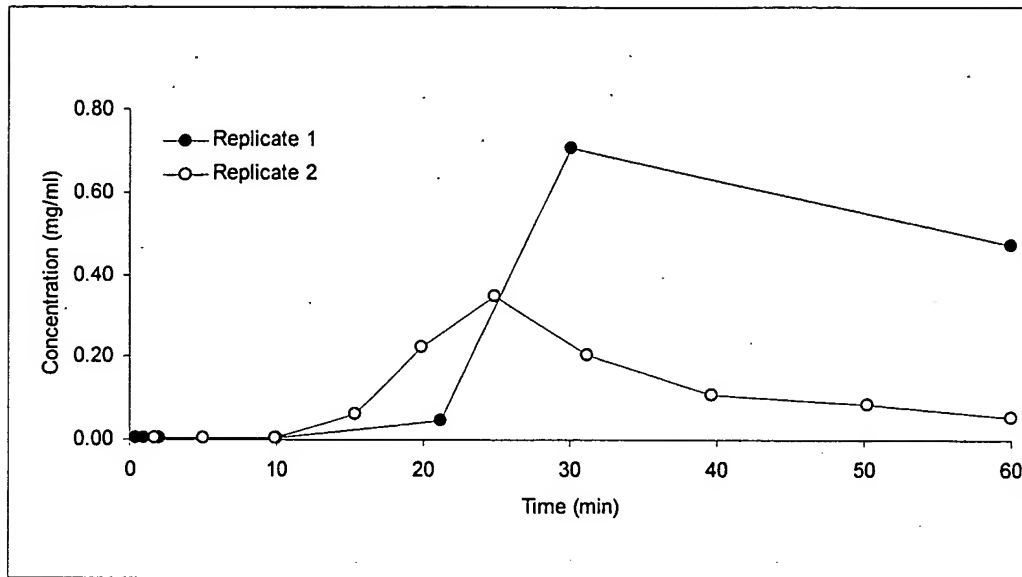


FIG. 35

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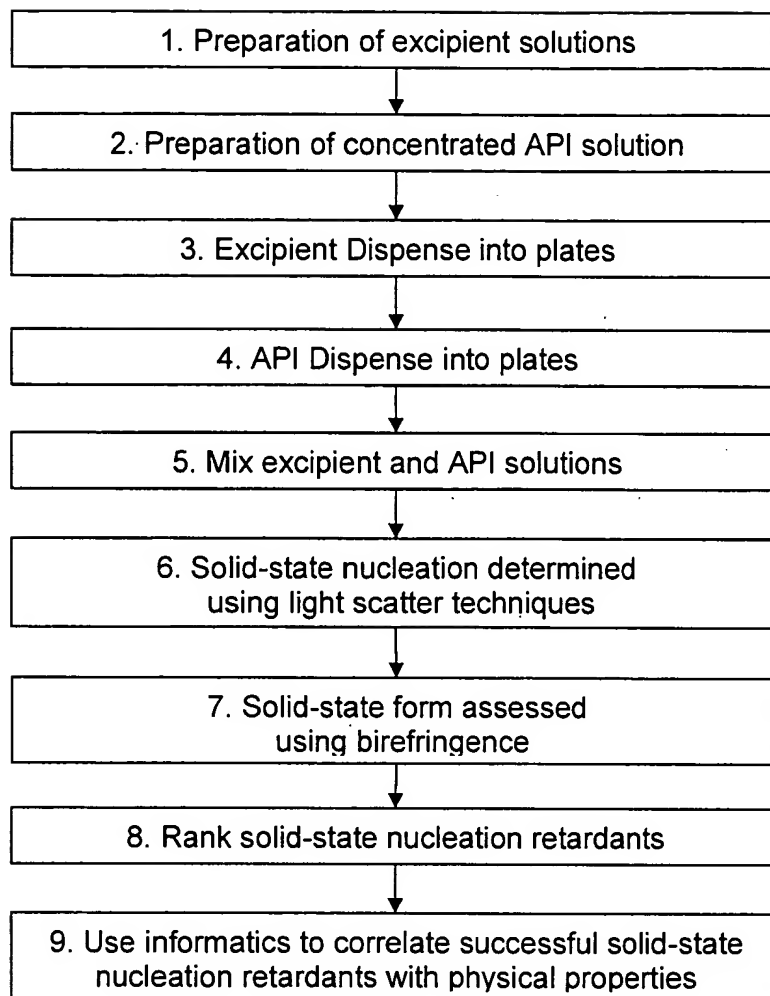


FIG. 36

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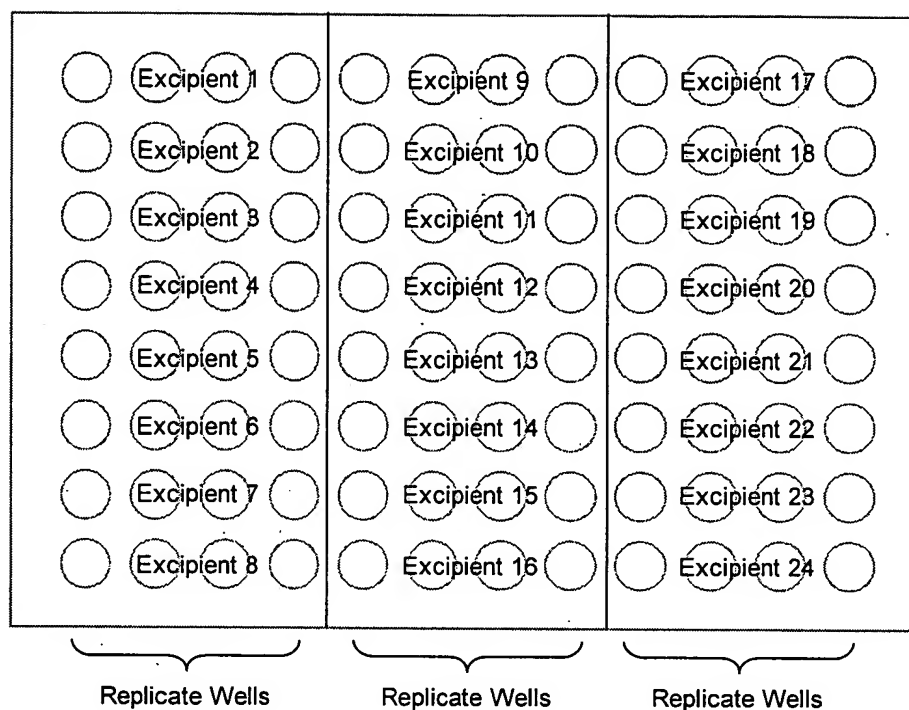


FIG. 37

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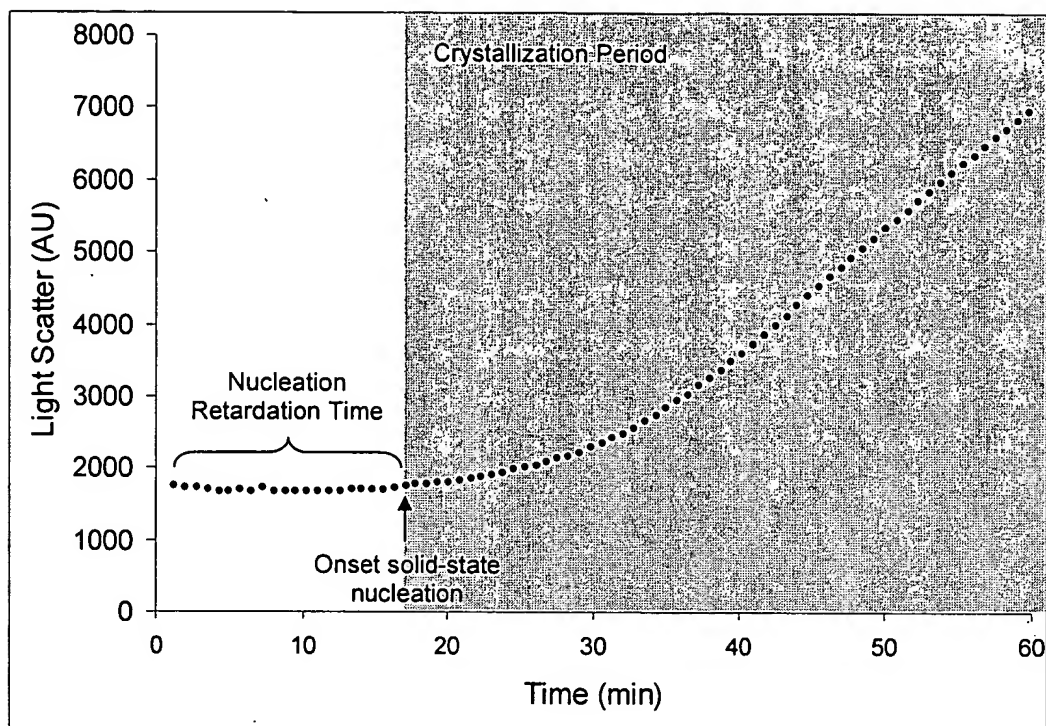


FIG. 38

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TGA

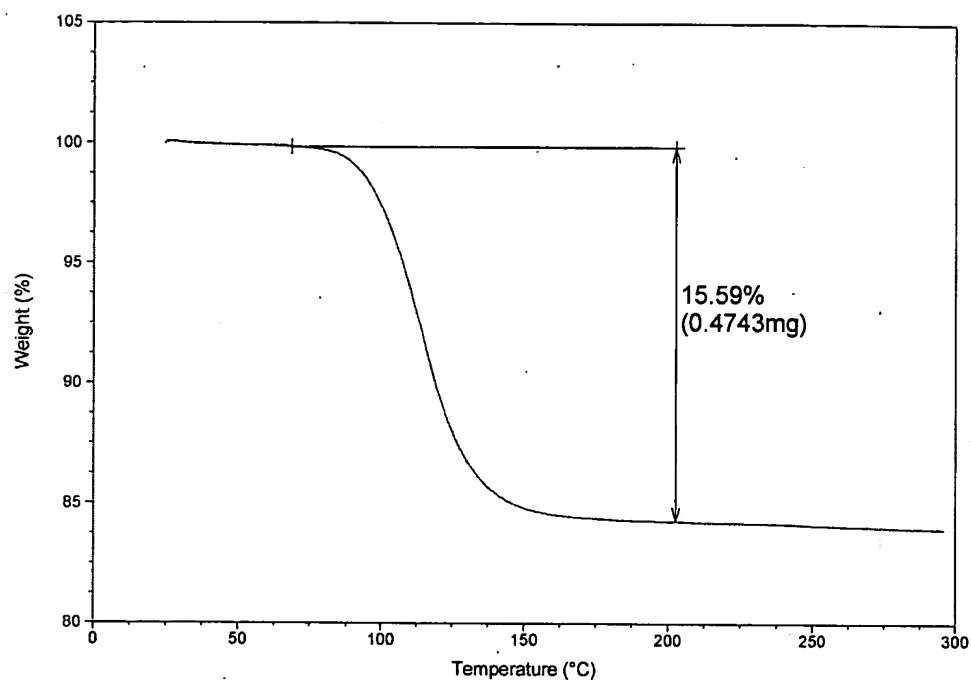


FIG. 39

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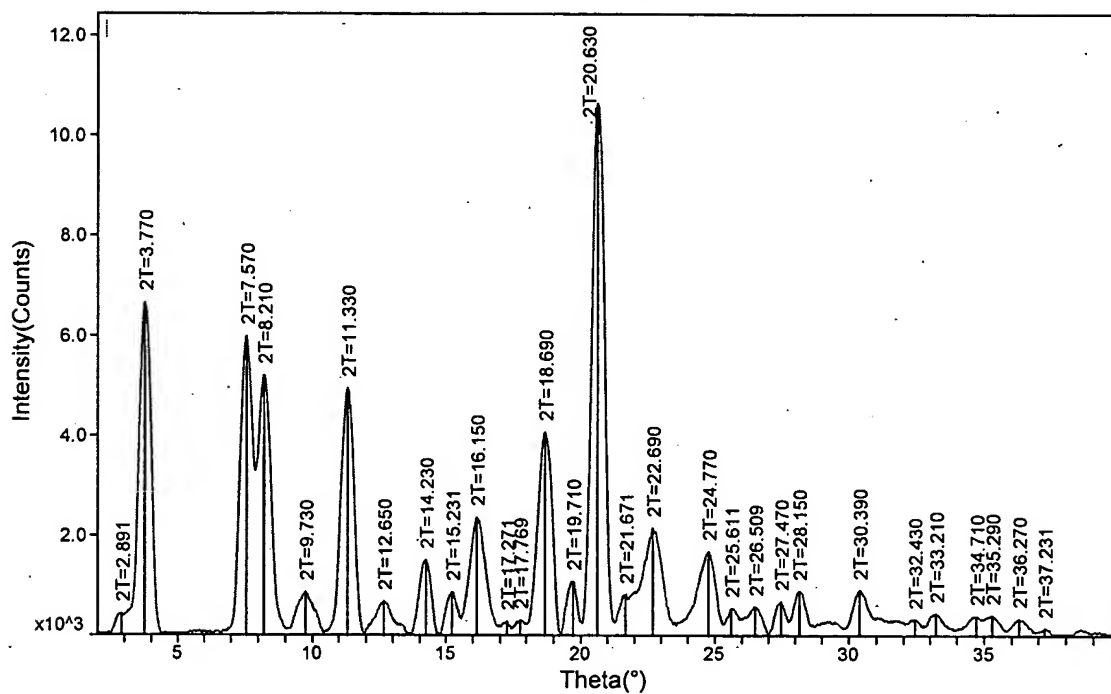


FIG. 40

TGA

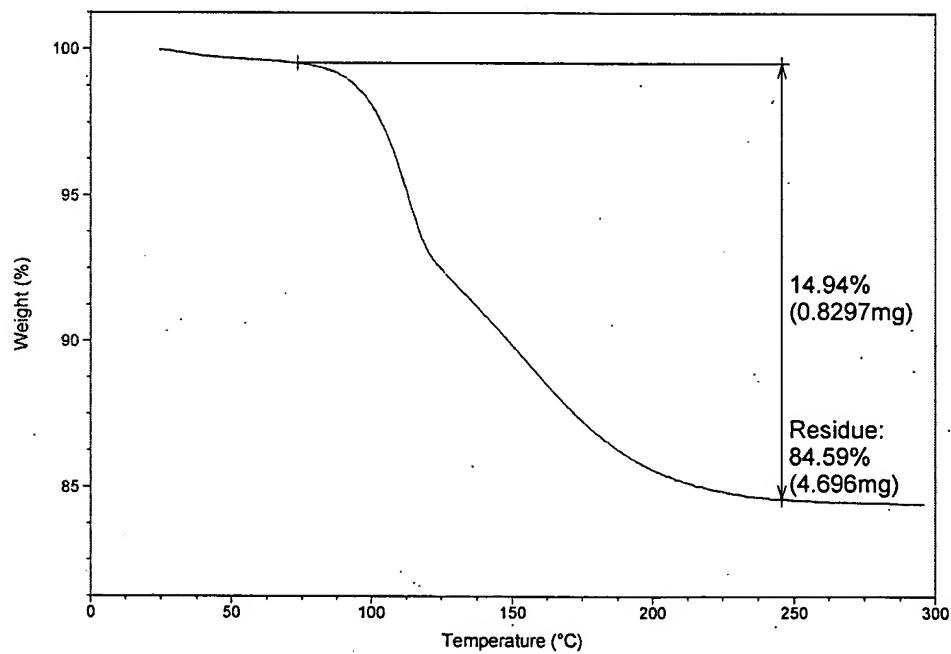


FIG. 41

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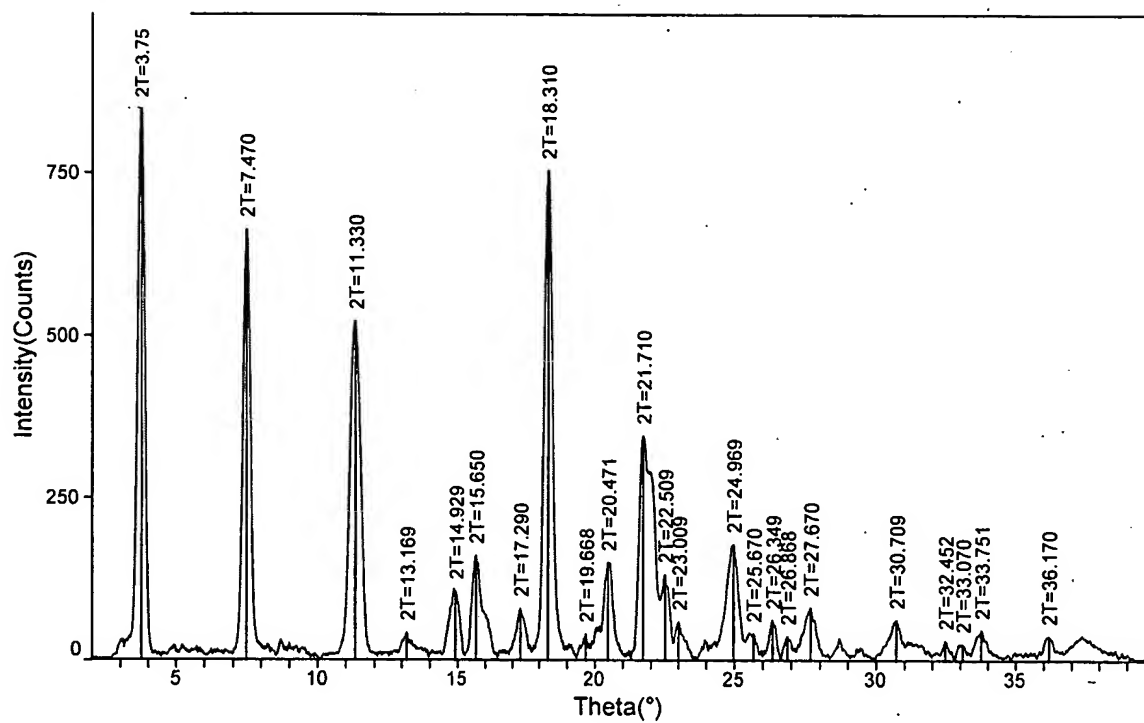


FIG. 42

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TGA

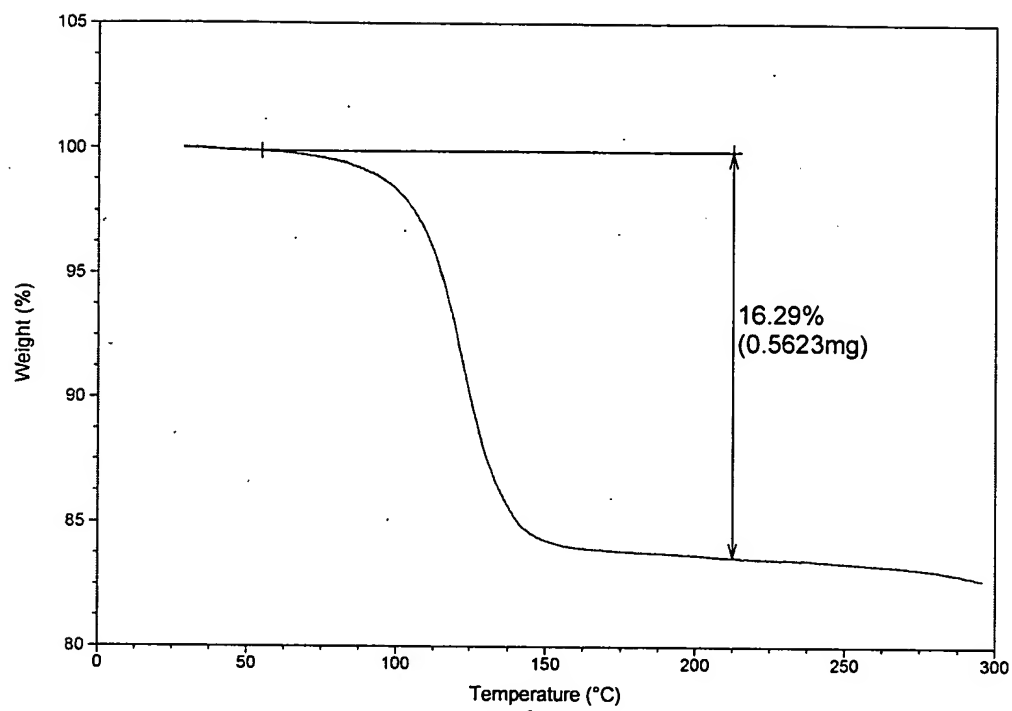


FIG. 43

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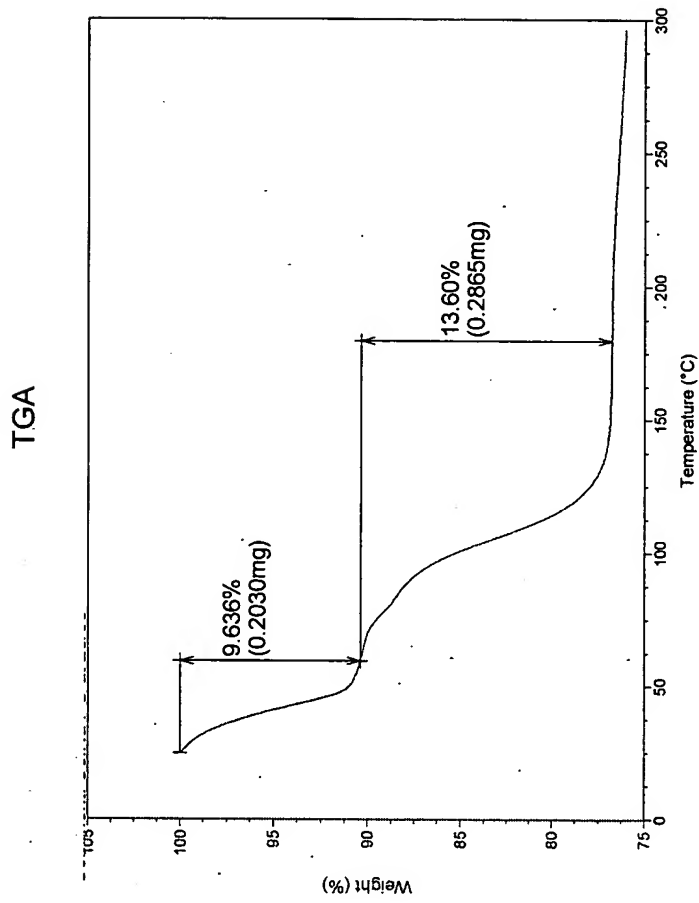


FIG. 44

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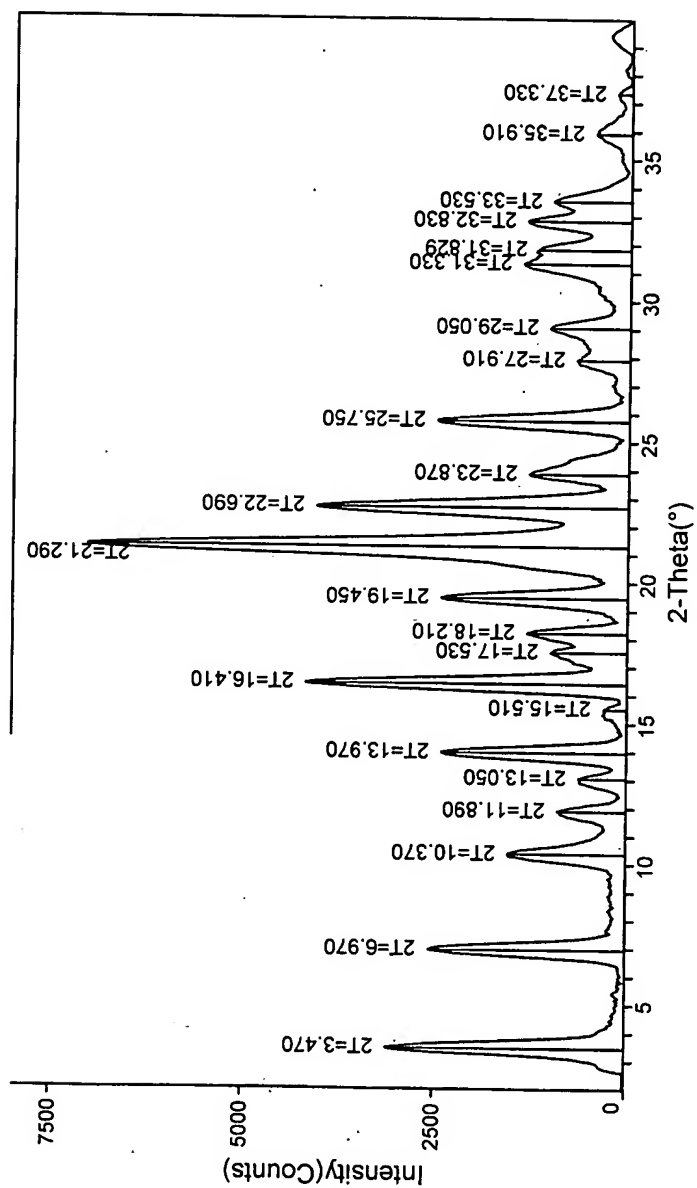


FIG. 45

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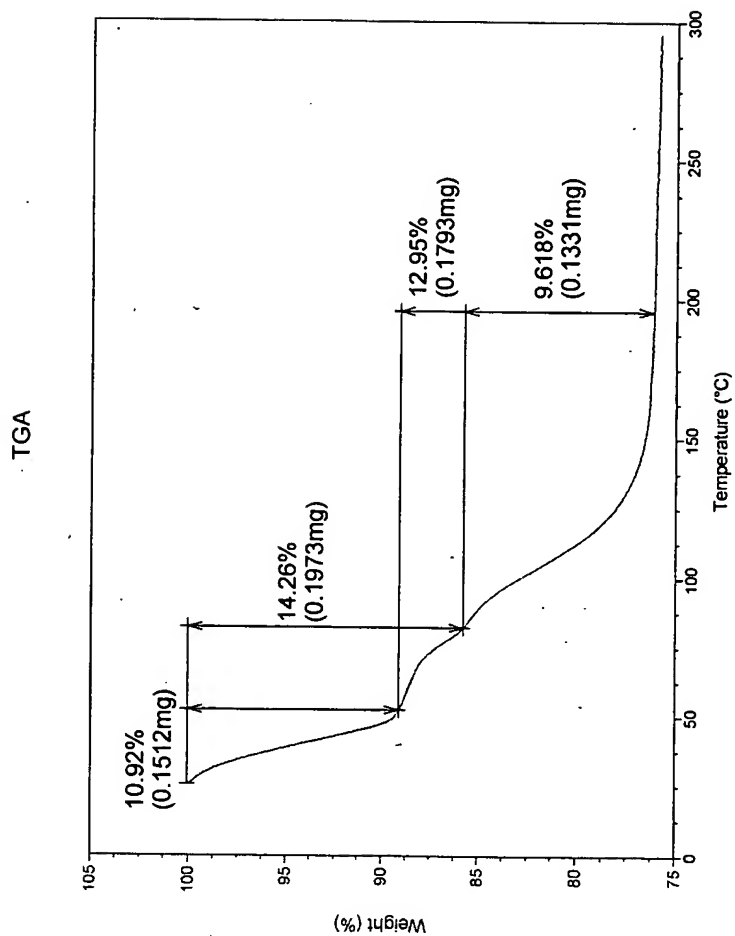


FIG. 46

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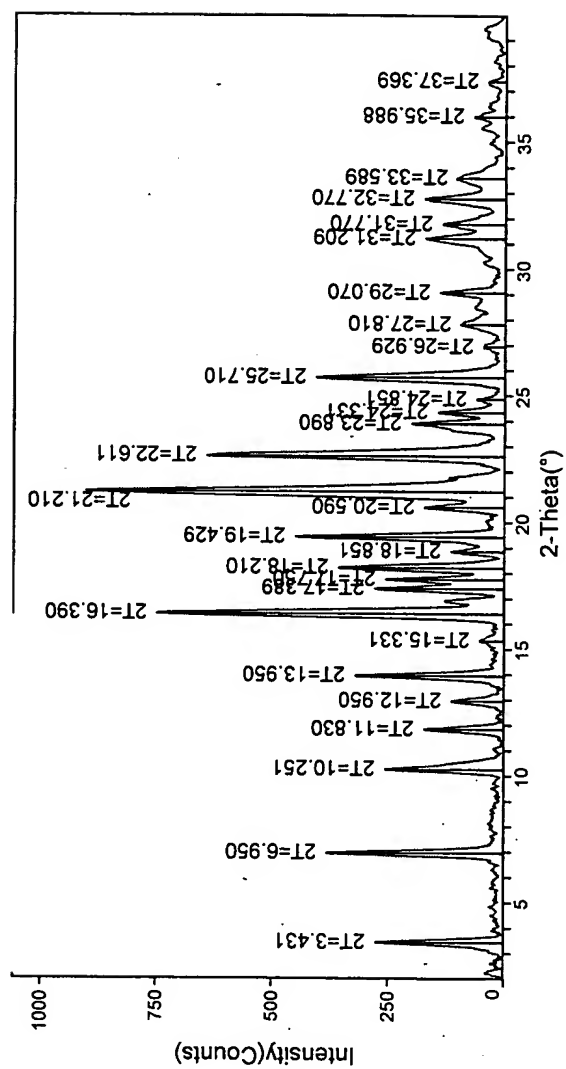


FIG. 47

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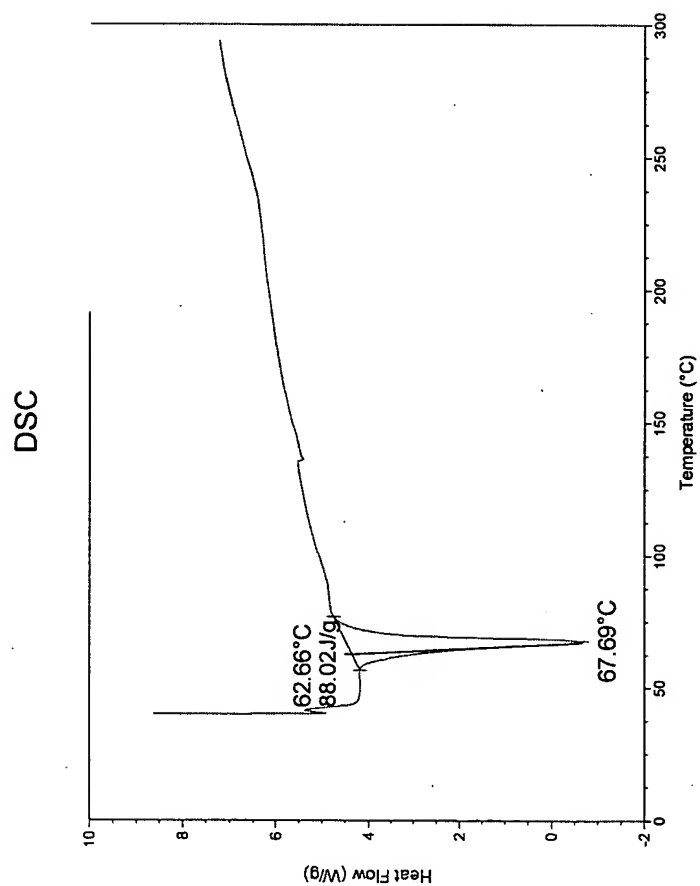


FIG. 48

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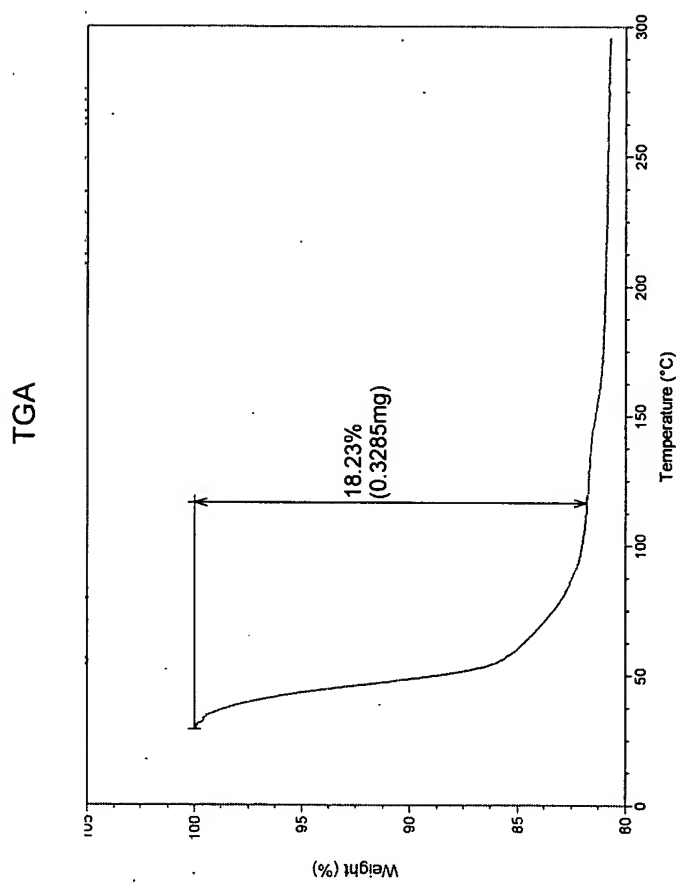


FIG. 49

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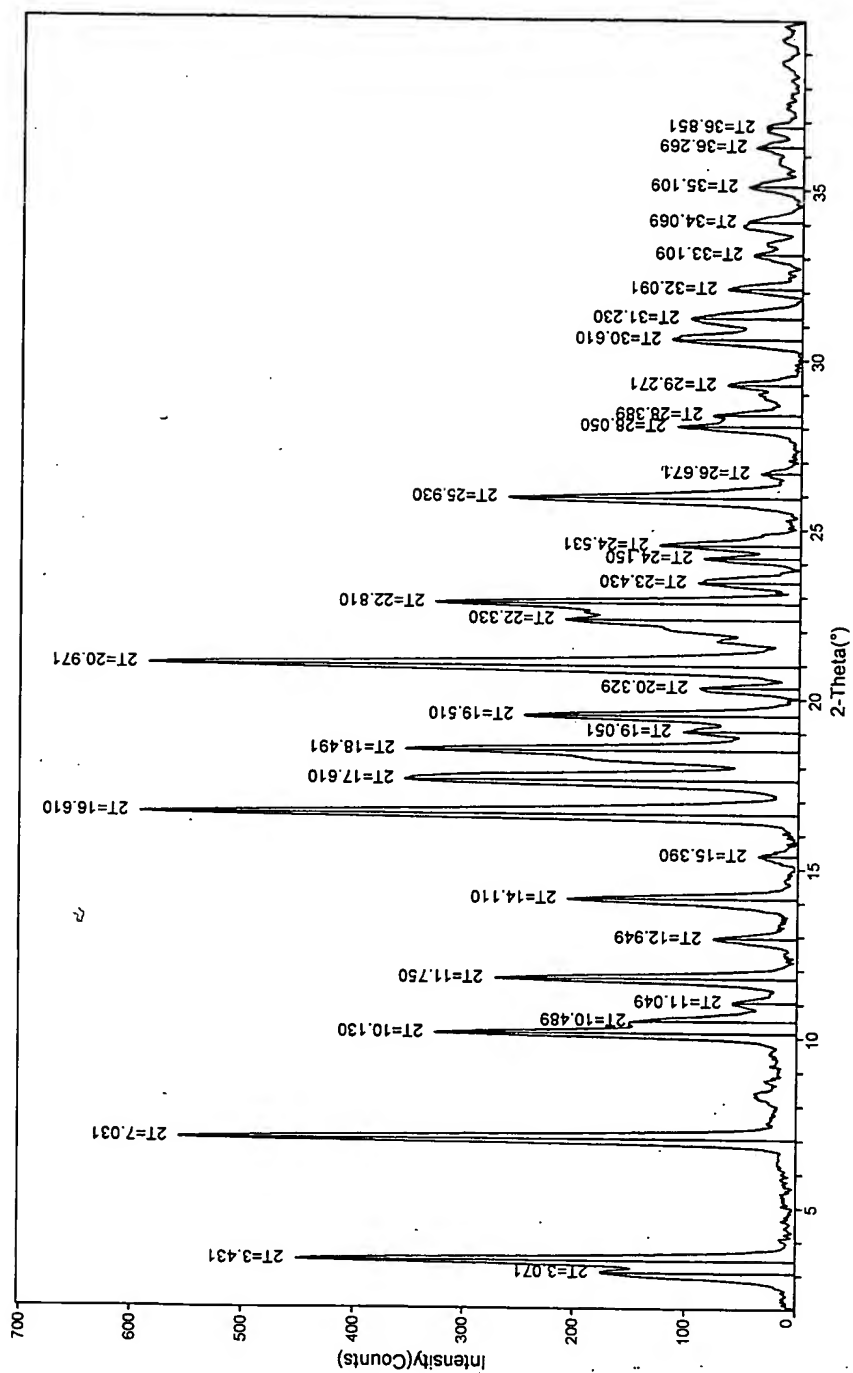


FIG. 50

09/60

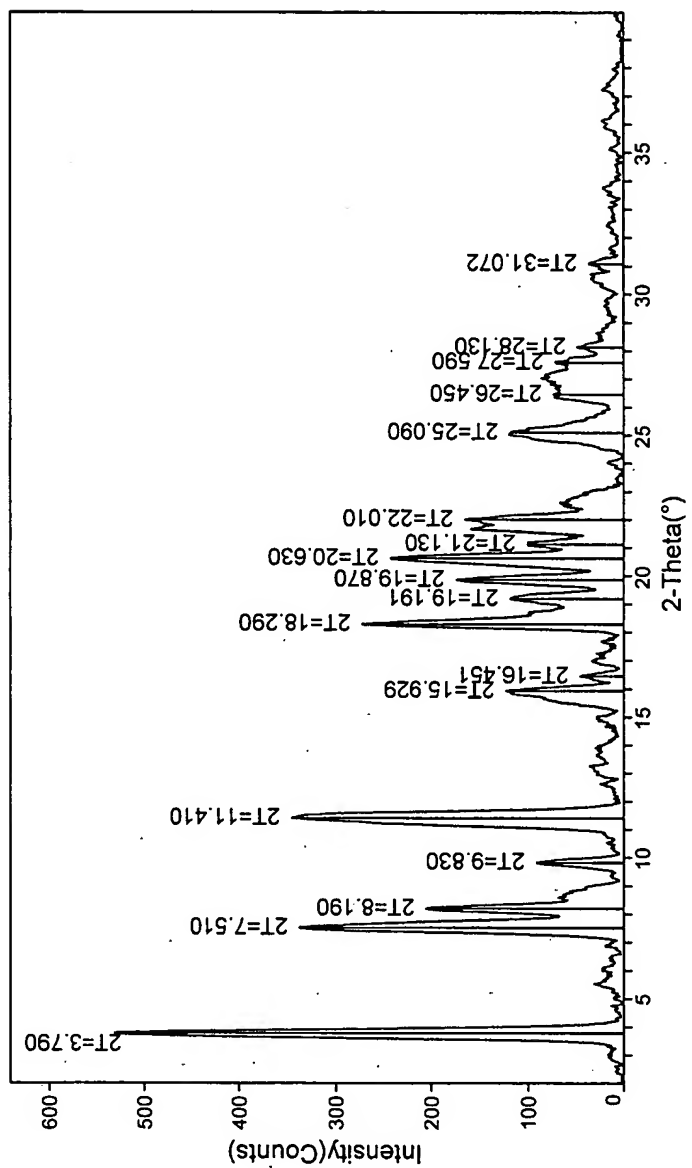


FIG. 51

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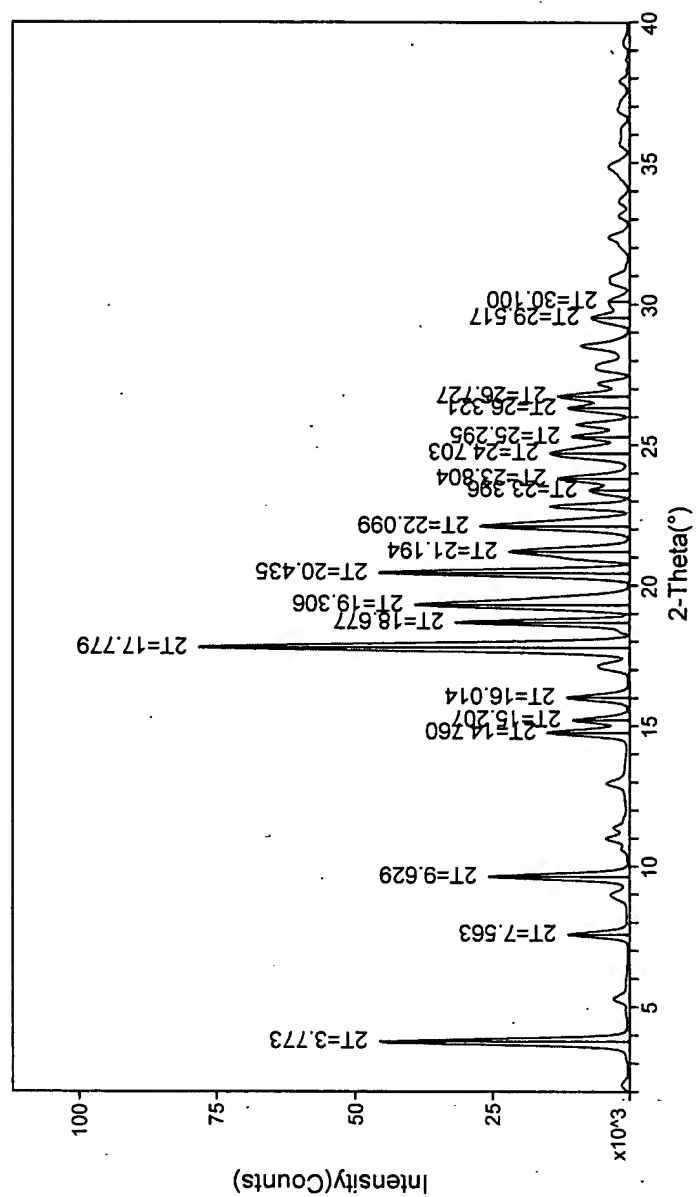


FIG. 52

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17% RH
Celecoxib Na hydrate
Batch No. MT_138_A

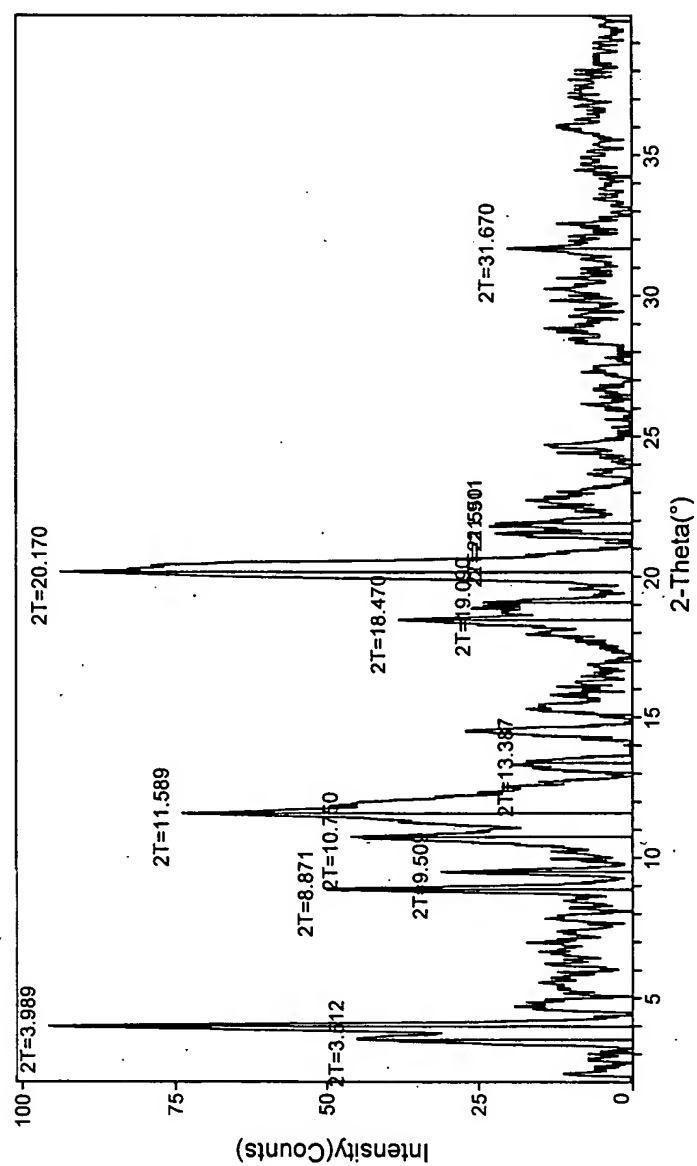


FIG. 53

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31% RH
Celecoxib Na hydrate
Batch No. MT_138_A

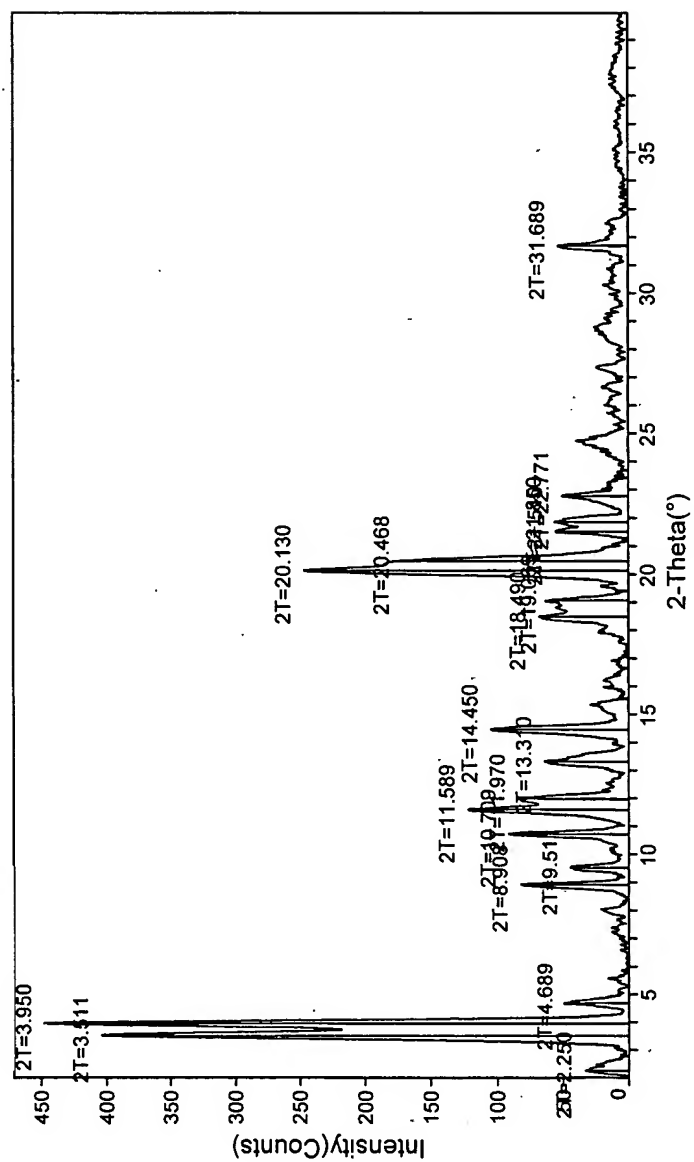


FIG. 54

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59% RH

Celecoxib Na hydrate

Batch No. MT_143_25

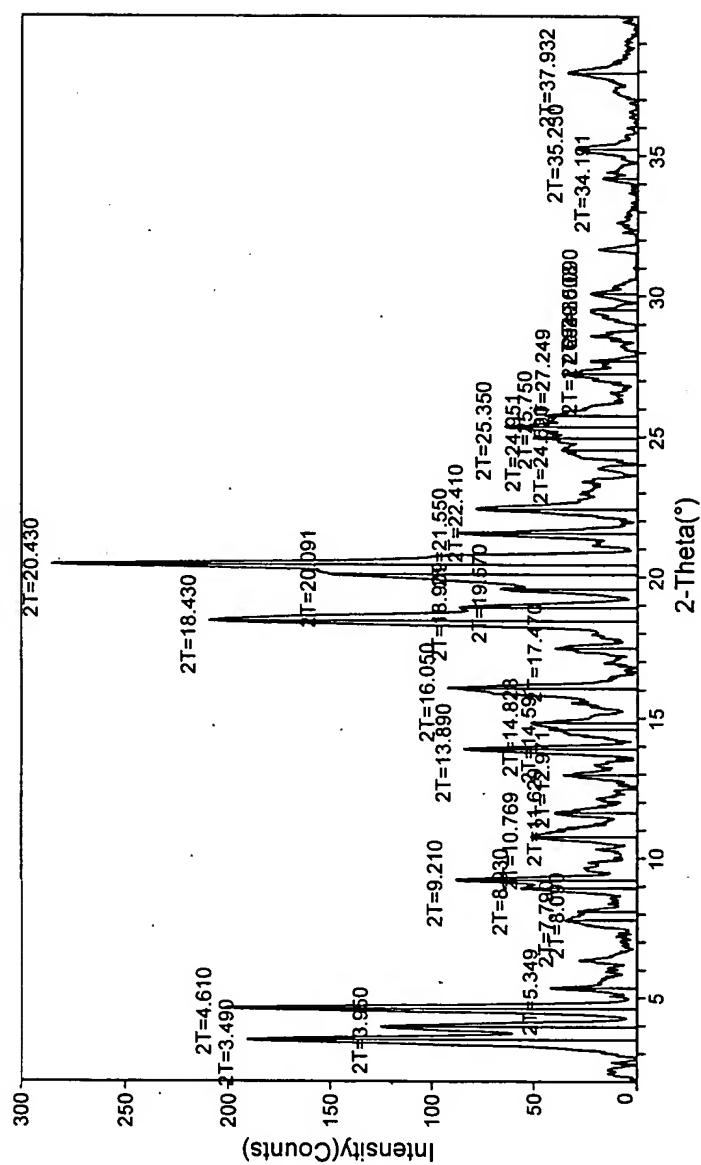


FIG. 55

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74% RH
Celecoxib Na hydrate
Batch No. MT_138_A

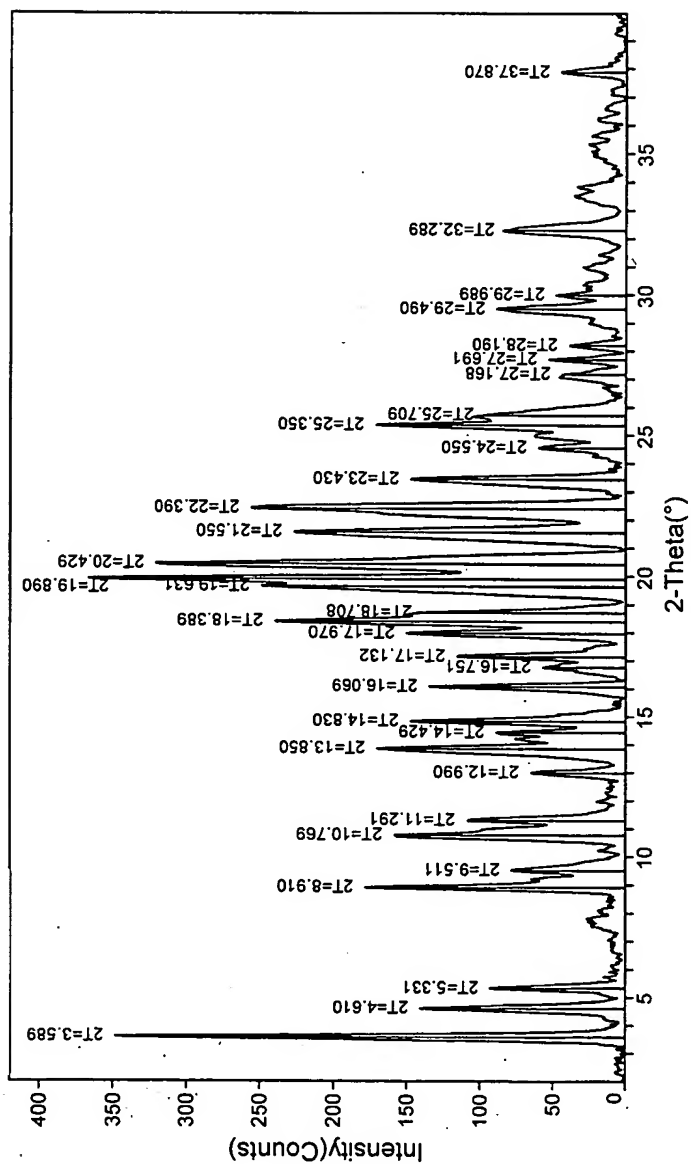


FIG. 56

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17% RH
Celecoxib Na propylene glycol solvate
Batch No. MT_143_25

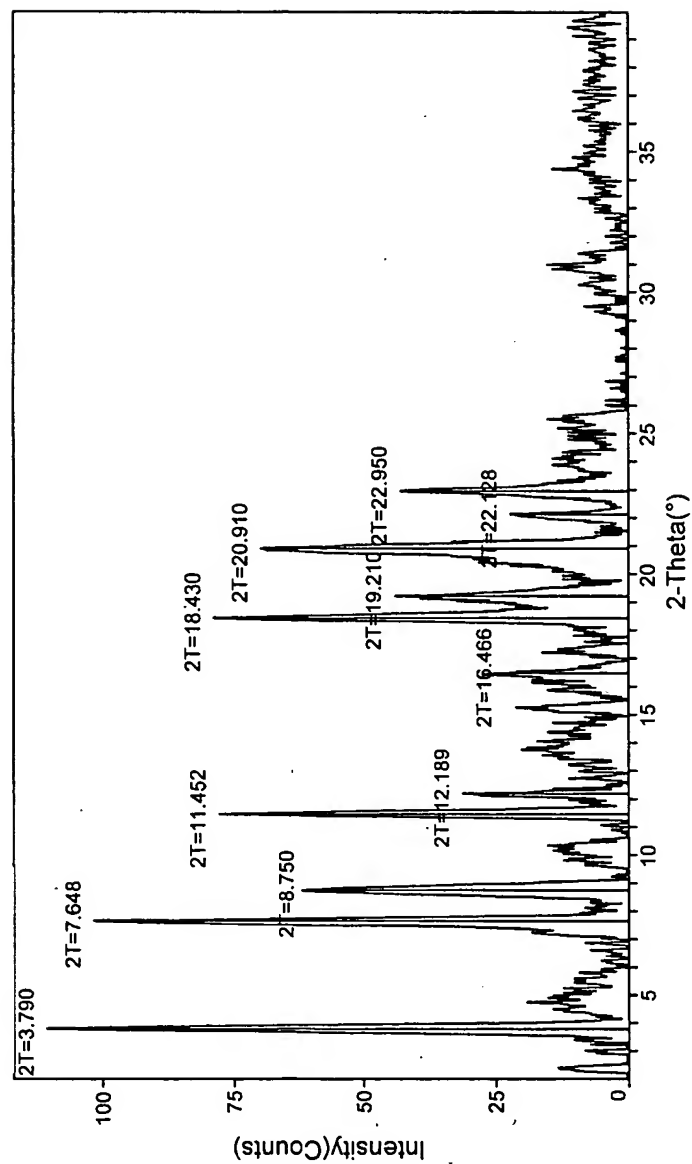


FIG. 57

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31% RH

Celecoxib Na propylene glycol solvate

Batch No. MT_143_25

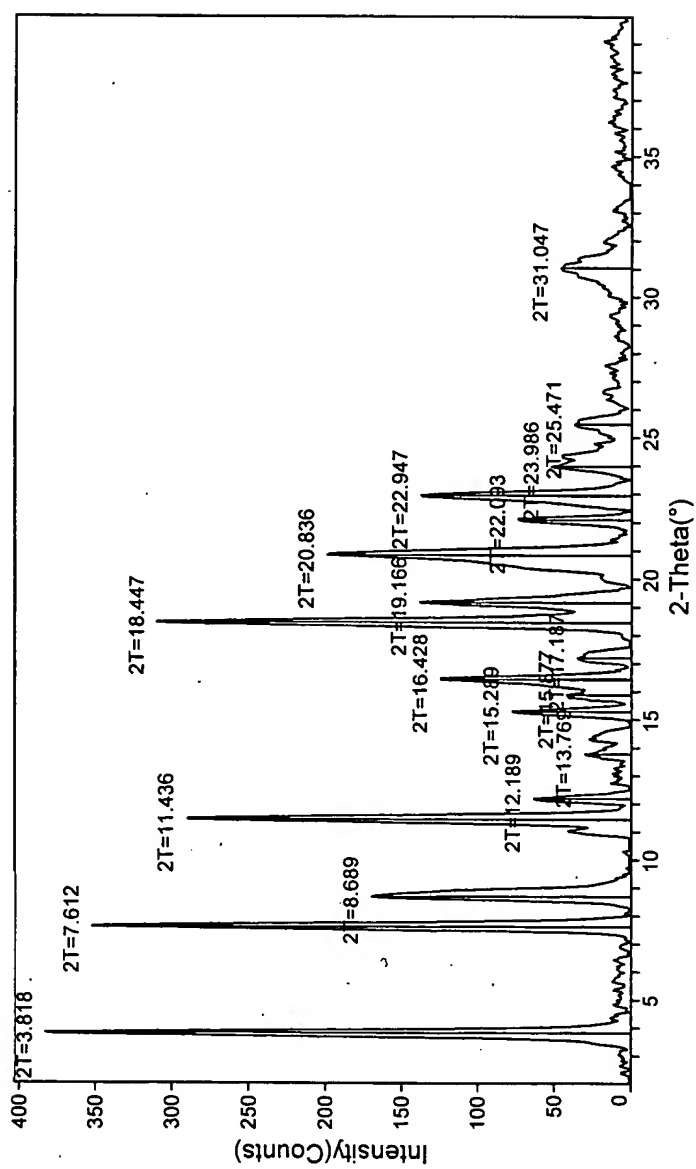


FIG. 58

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59% RH

Celecoxib Na propylene glycol solvate

Batch No. MT_143_25

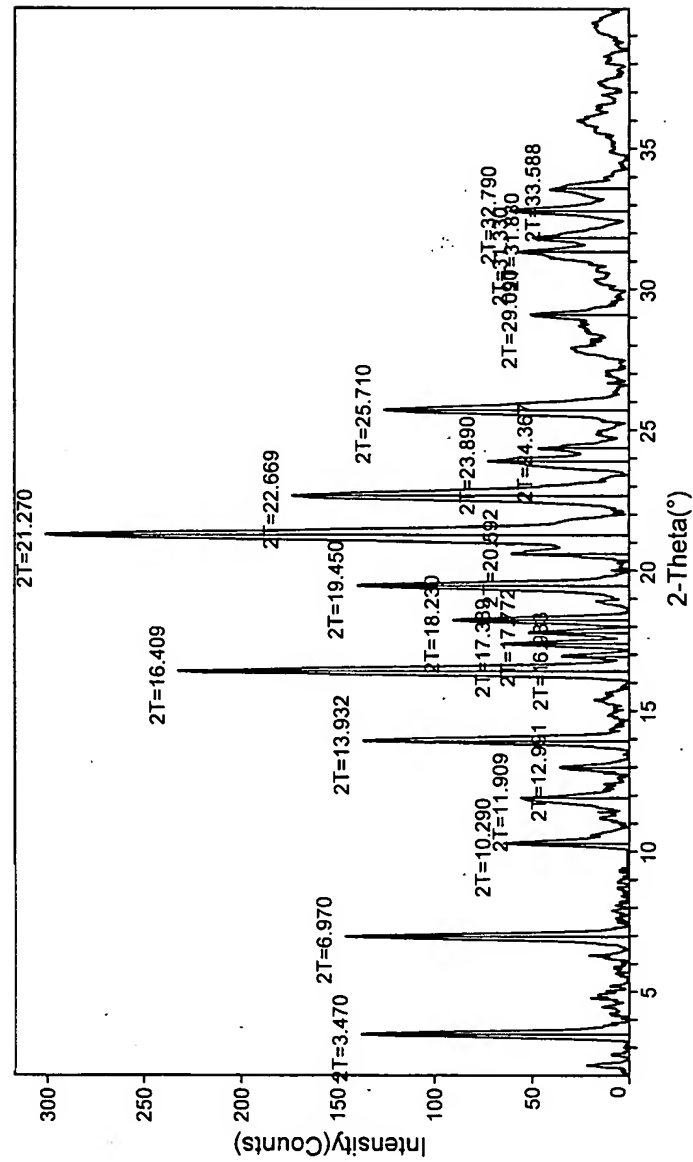


FIG. 59

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74% RH

Celecoxib Na propylene glycol solvate

Batch No. MT_143_25

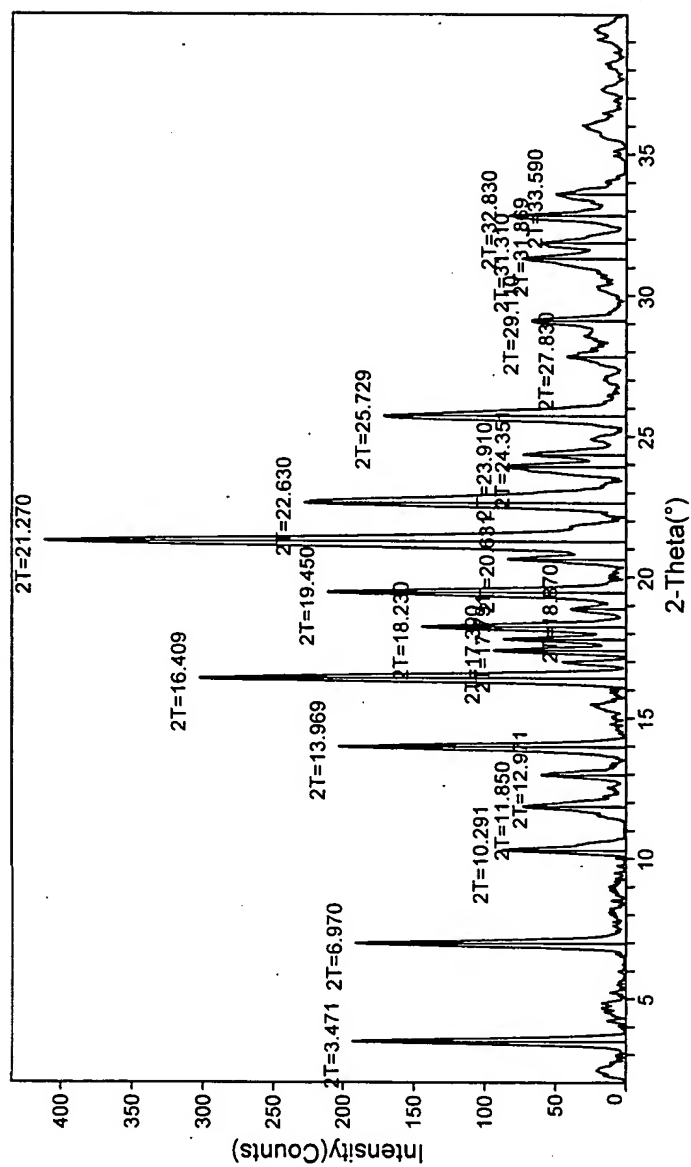


FIG. 60

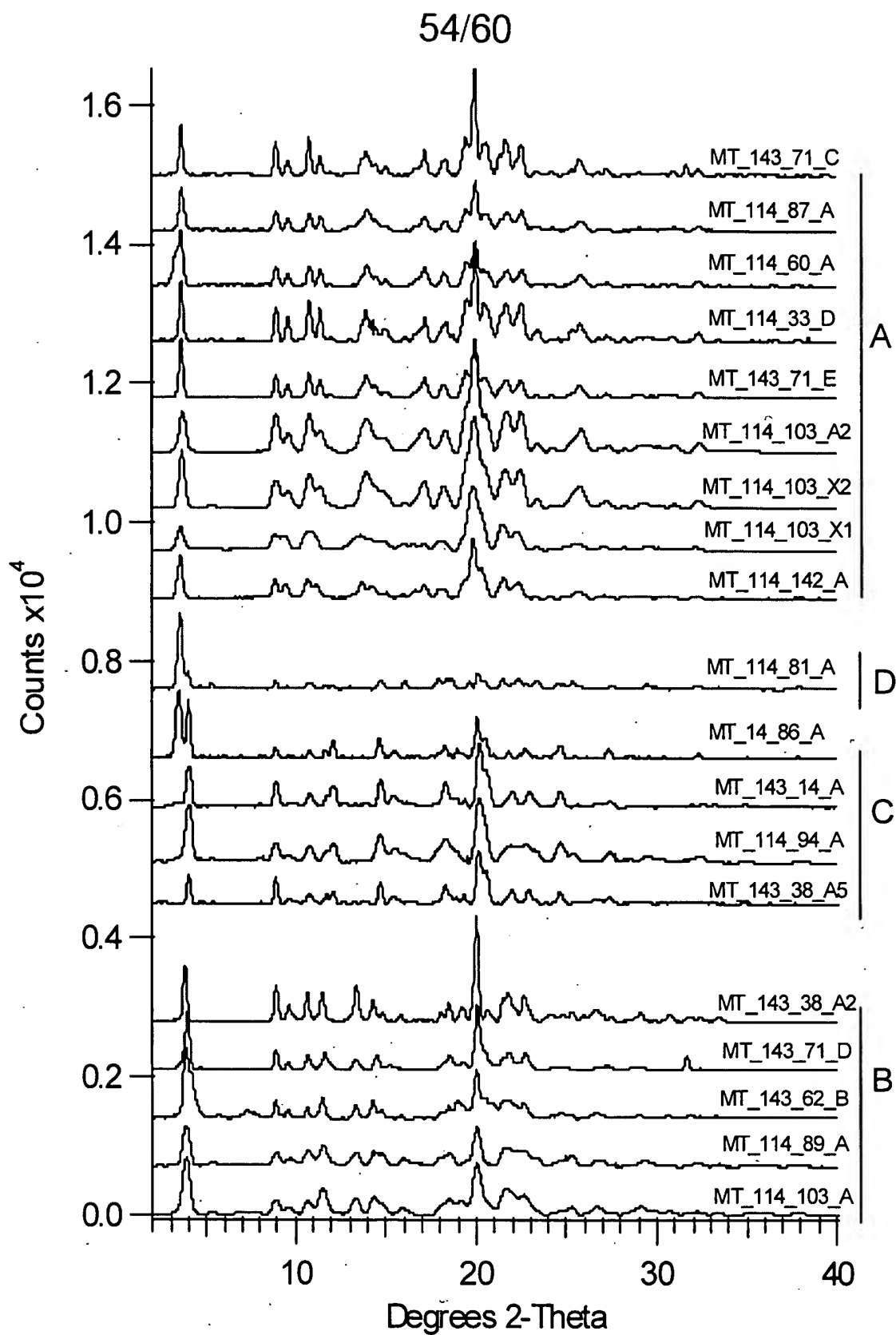


FIG. 61

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DSC

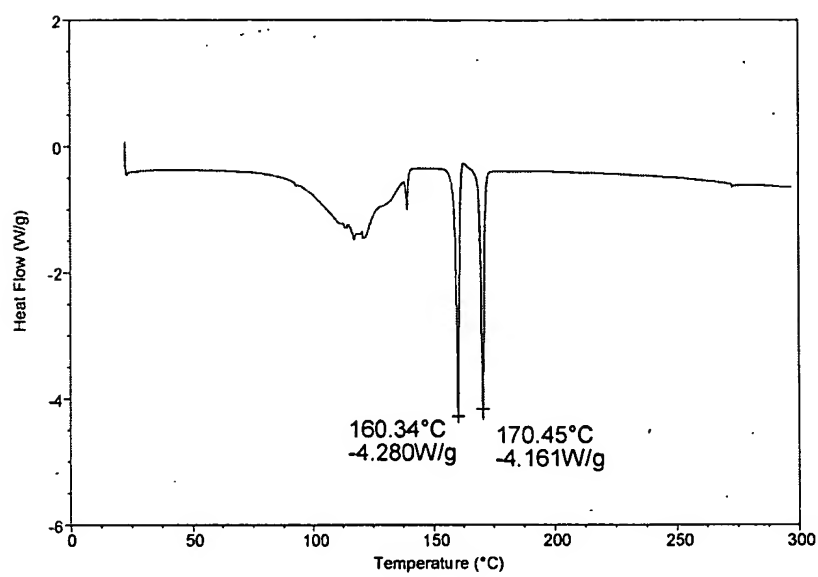


FIG. 62

TGA

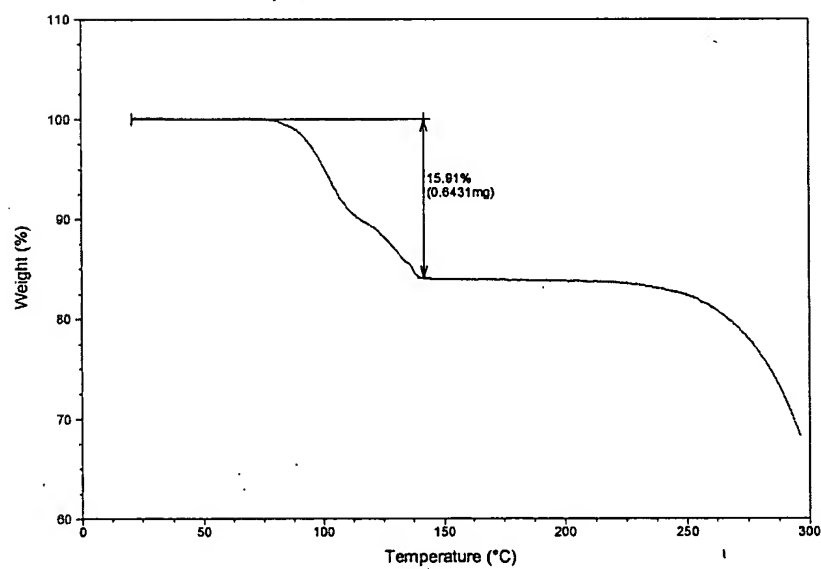


FIG. 63

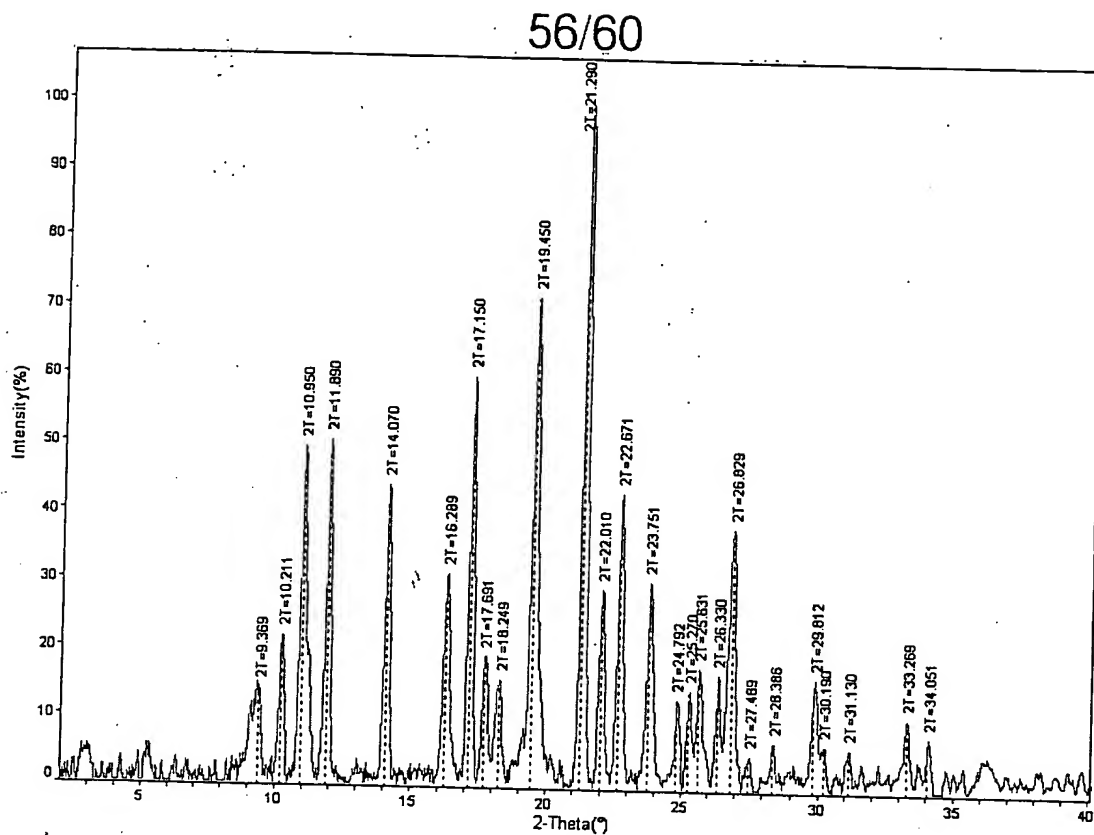


FIG. 64

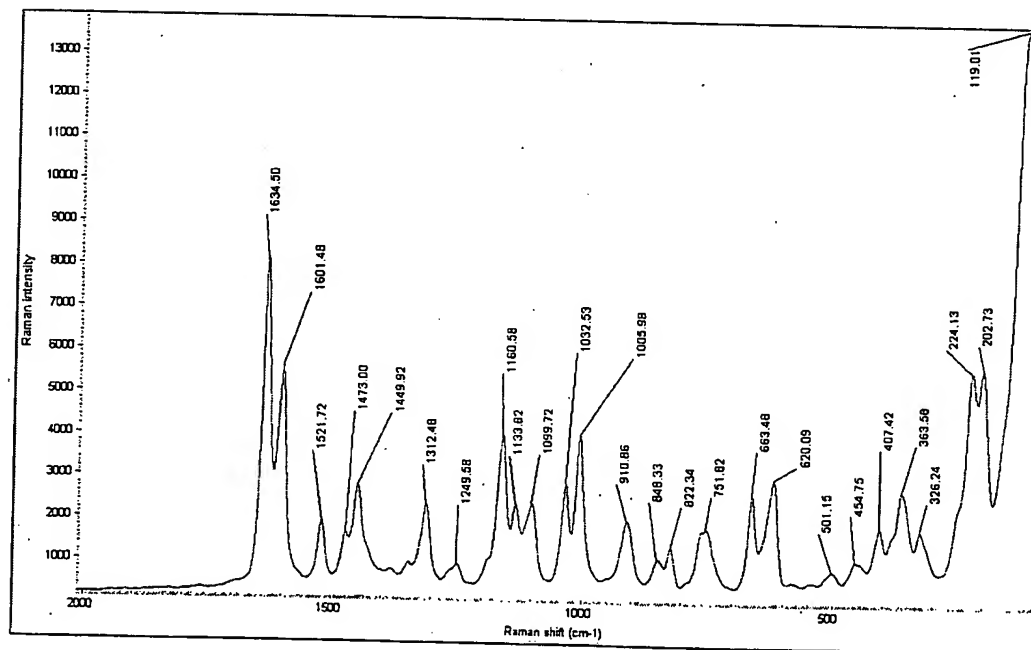


FIG. 65

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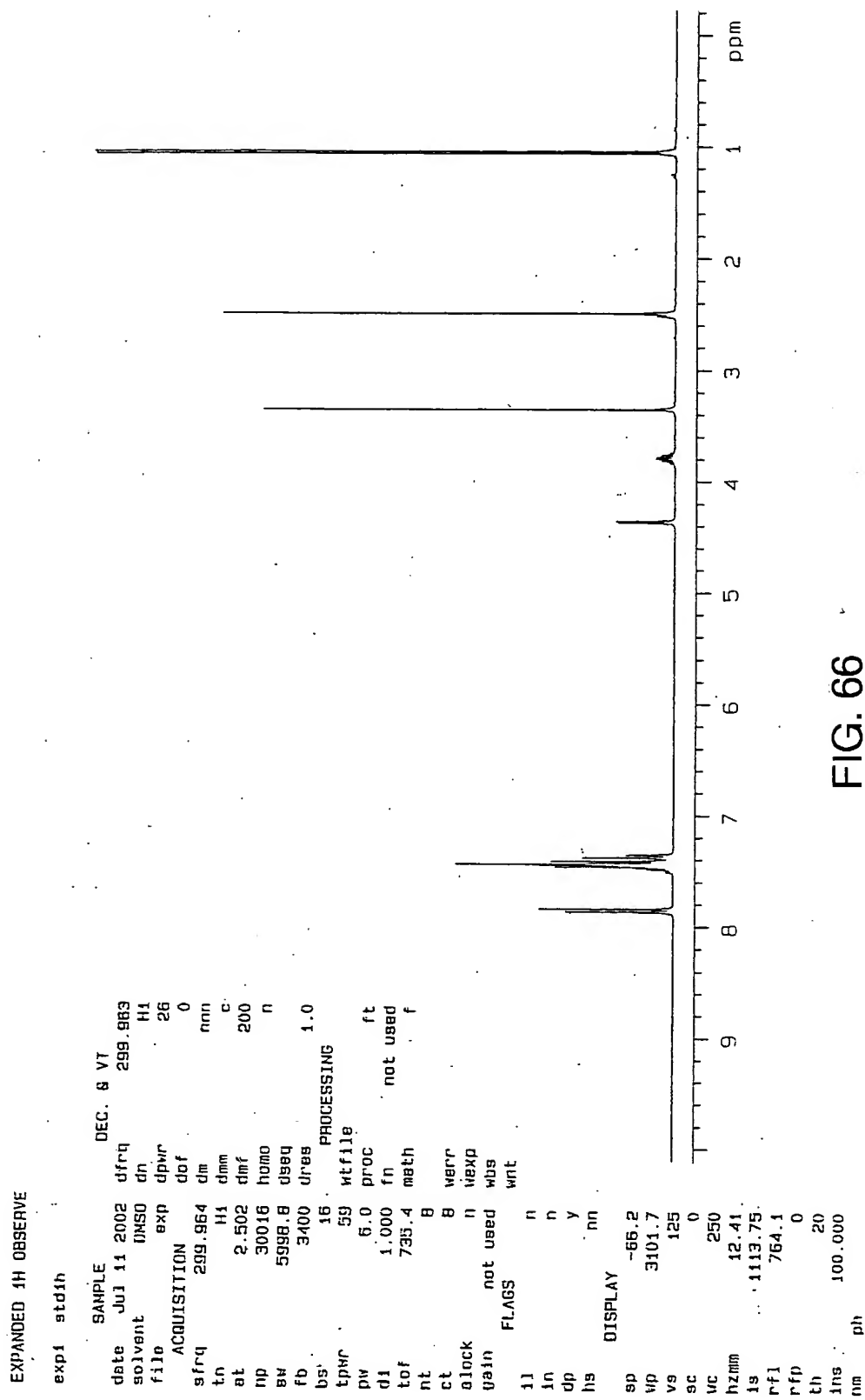


FIG. 66

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DSC

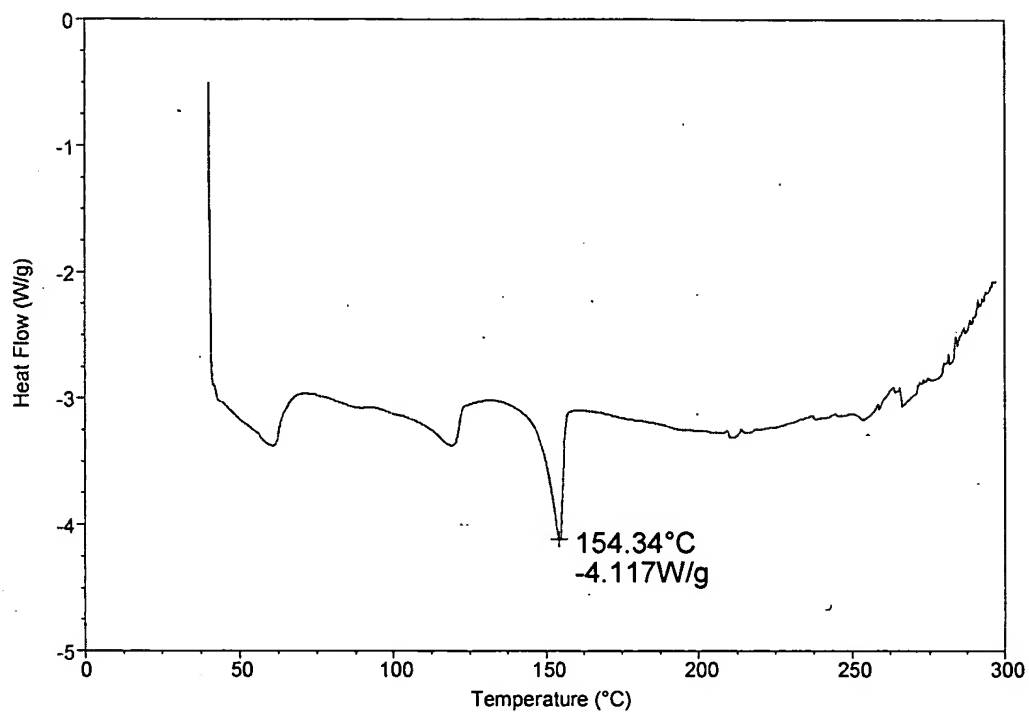


FIG. 67

TGA

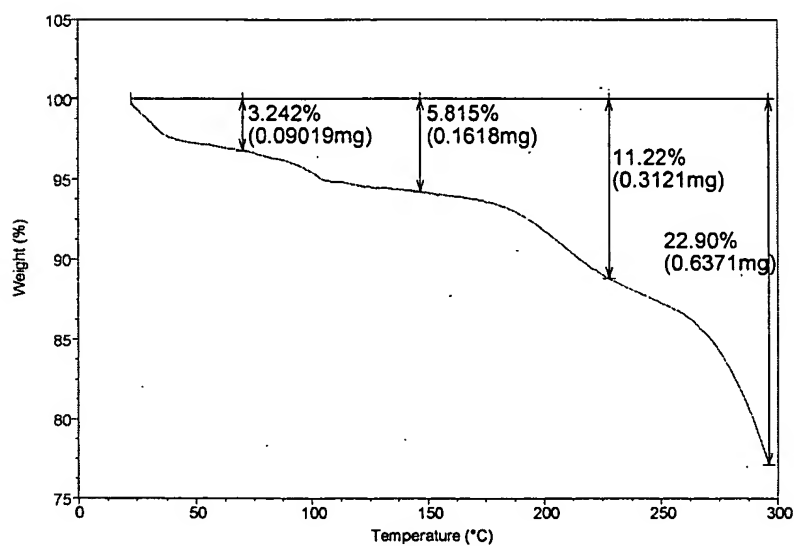


FIG. 68

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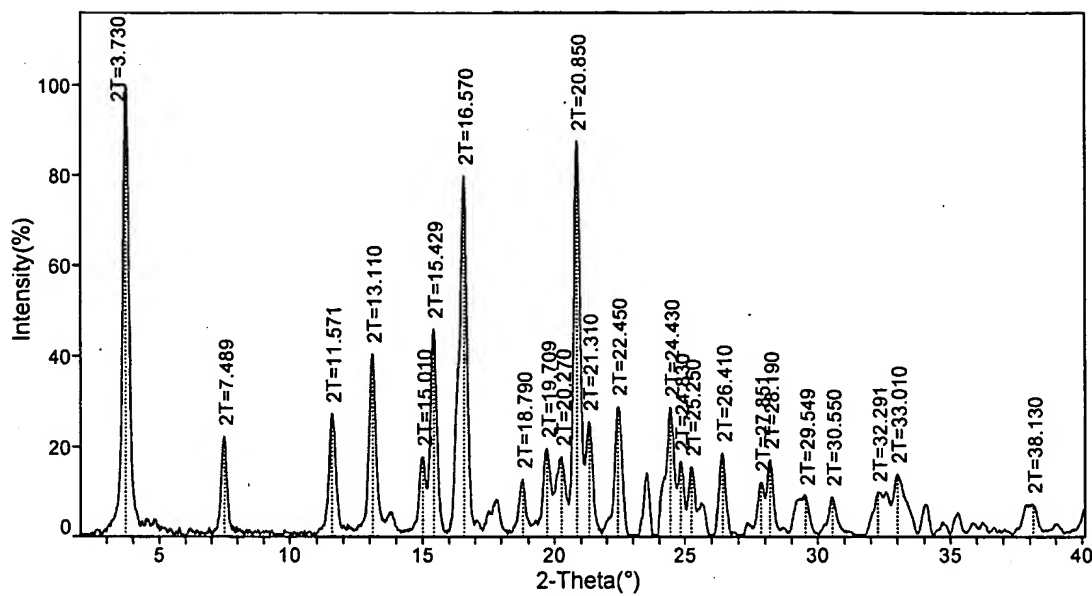


FIG. 69

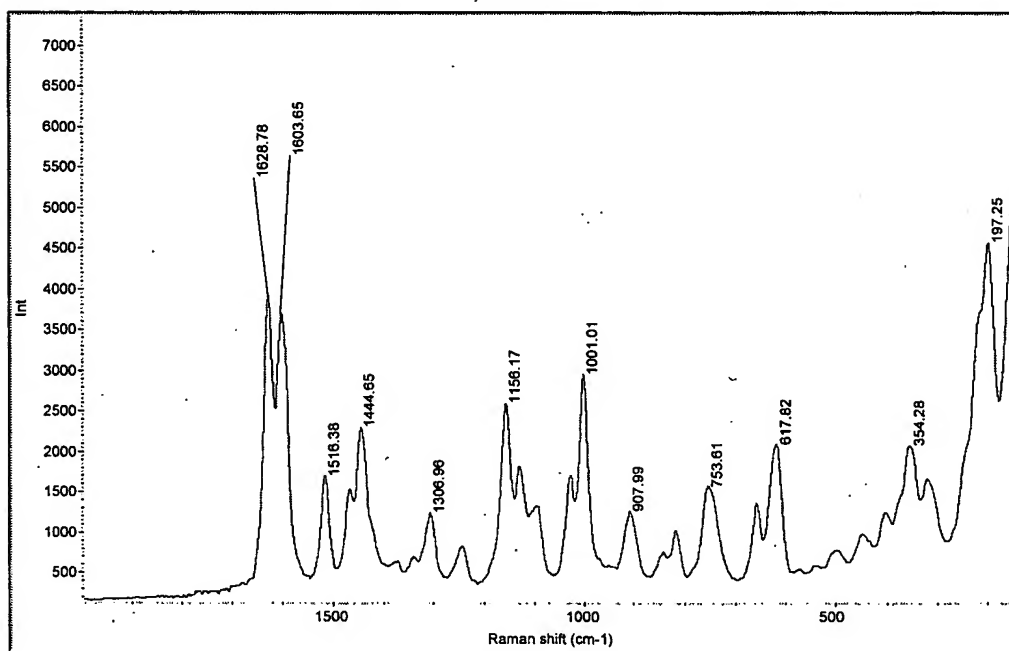


FIG. 70

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EXPANDED 1H OBSERVE

exp1 std4h

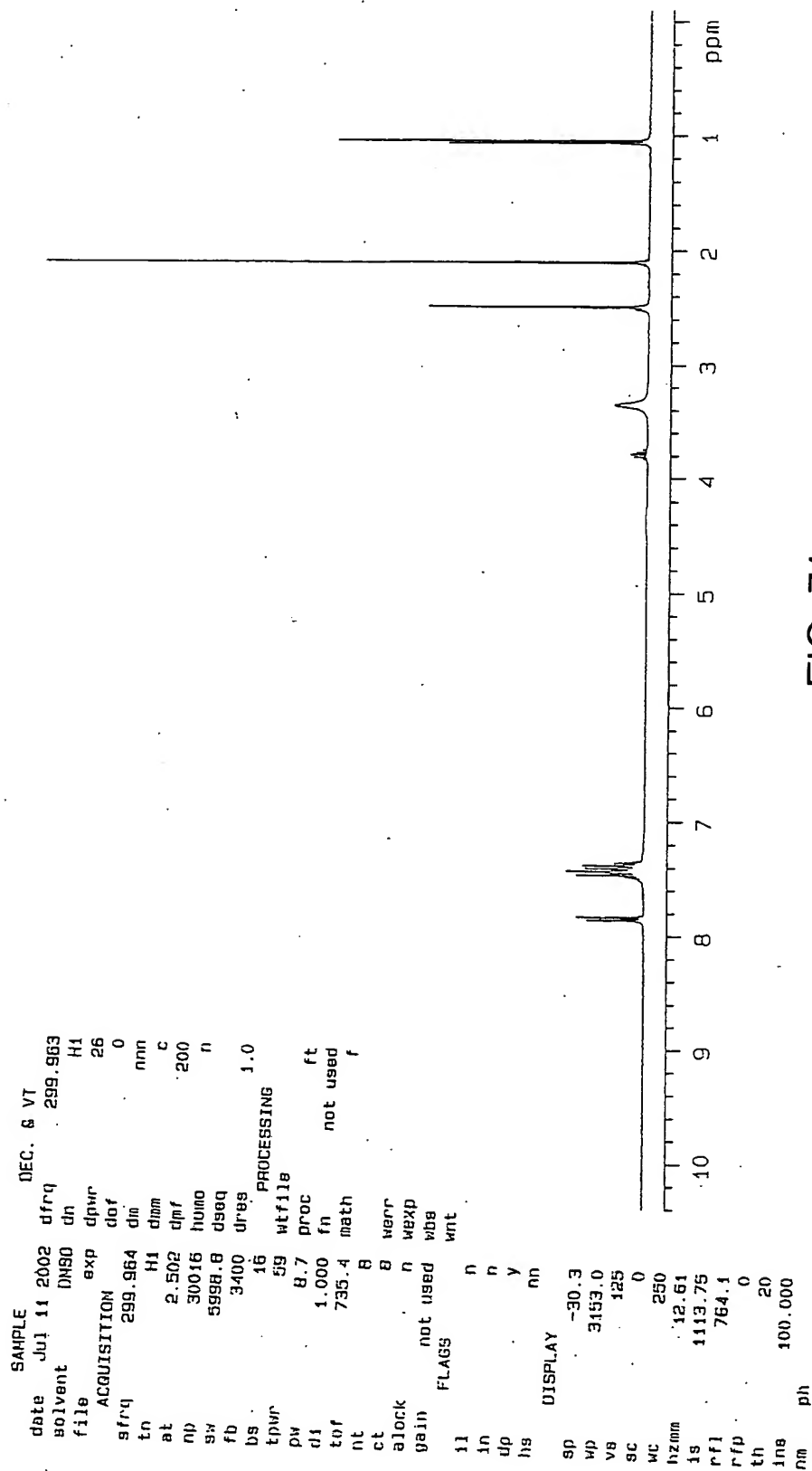


FIG. 71